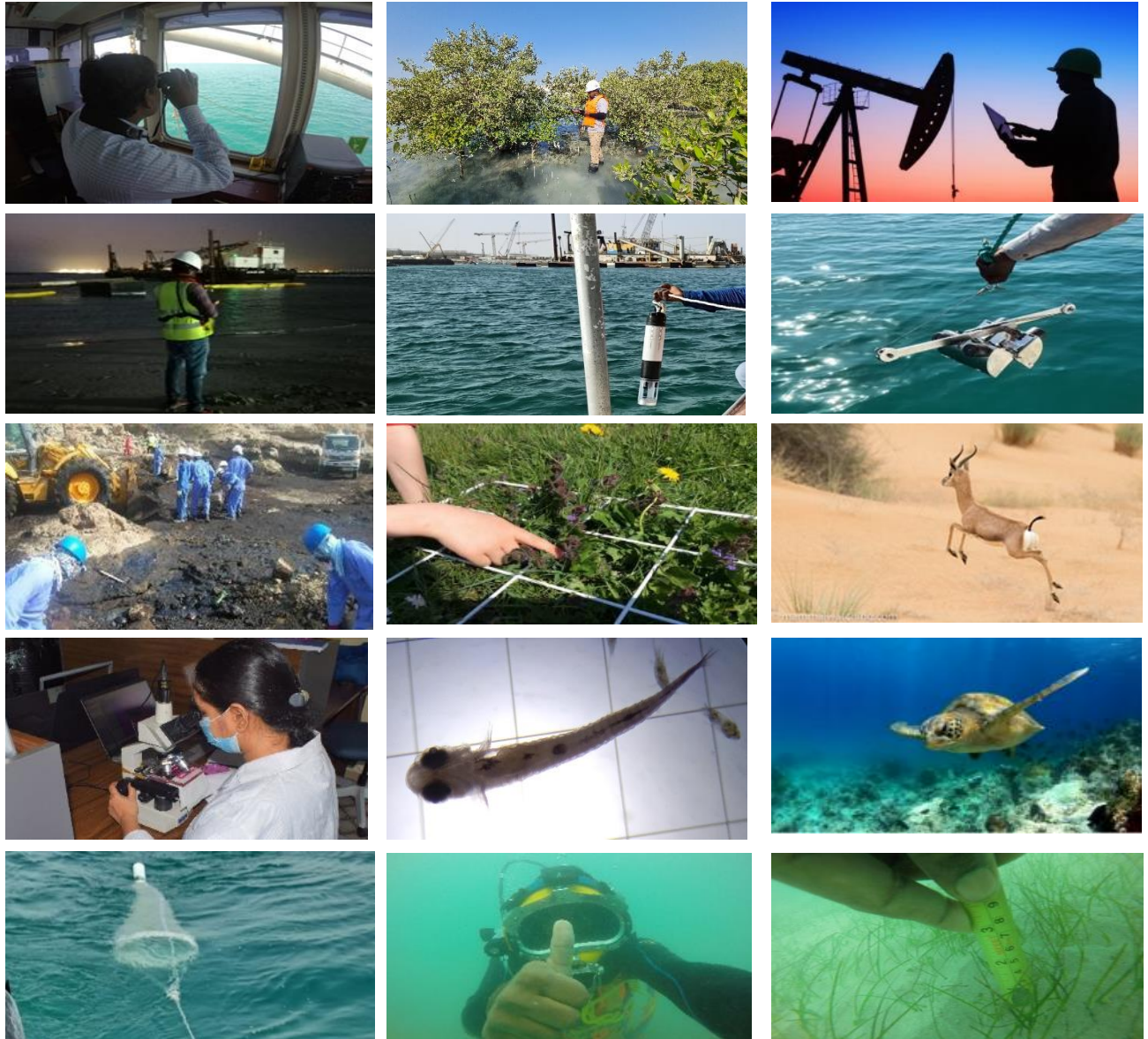


ADEPT ENVIRONMENTAL CONSULTANCY L.L.C. COMPANY PROFILE



Contents

ABOUT US	3
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MISSION	3
VISION	3
OUR VALUES	3
OUR SERVICES.....	4
Environmental Consultancy	4
Ecological Survey	5
Pollutant Dispersion Modeling.....	5
Environmental Monitoring.....	6
Occupational Safety and Health	7
HSE Training.....	8
Project Management	8
OUR CLIENTS	9
PROJECT EXPERIENCE AND APPROVALS	10
TRADE LICENSE	20
ENVIRONMENTAL LICENSE WITH EAD.....	21
ADNOC APPROVAL.....	22
ICV CERTIFICATE	24
QHSE POLICY	25
SUSTAINABILITY POLICY.....	26
QHSE INTEGRATED MANAGEMENT SYSTEM CERTIFICATES.....	27
ADEPT ORGANIZATION CHART	30
CV OF OUR PROFESSIONAL STAFFS	31

ABOUT US

Adept Environmental Consultancy L.L.C. is a specialized environmental, health and safety consulting firm providing services to variety of sectors including industries, oil and gas chemical, petrochemical, industrial and infrastructure development projects. Our consultants have excellent work experience with environmental regulatory authority and various international Environmental, Health and Safety projects. Our team's clear vision and core values allow Adept to continually deliver the highest quality of service and value to our clients across all of our consulting engagements. This has been achieved through the implementation ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018.

We work with our clients to develop sustainable, practical and ethical solutions to the environmental challenges they face and add value to our client's businesses by delivering excellence and innovation. Our team aims to assist our clients to ensure that the environment, workplace and communities in which they operate are mutually beneficial and safe.

MISSION

Adept Environmental Consultancy L.L.C. is committed to provide cost effective, innovative, and sustainable Environment, Health and Safety (EHS) consulting services that address our client's requirements and comply with international best practices.

VISION

Through achieving commercial success and full satisfaction for our clients, we seek to build a quality and sustainable future for all the stakeholders in the community by applying analytical research and providing innovative solution.

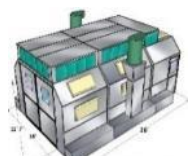
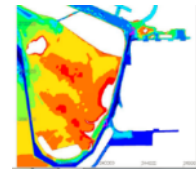
OUR VALUES

- People First - create safe and respectful environment
- Integrity – do the right thing
- Devotion – to goals, client service, and company
- Collaboration - value the power of diversity and our capabilities
- Client – to ensure complete satisfaction while creating opportunities for long-term mutual success.
- Sustainability –to protect environment and improve economy through innovative solution

OUR SERVICES

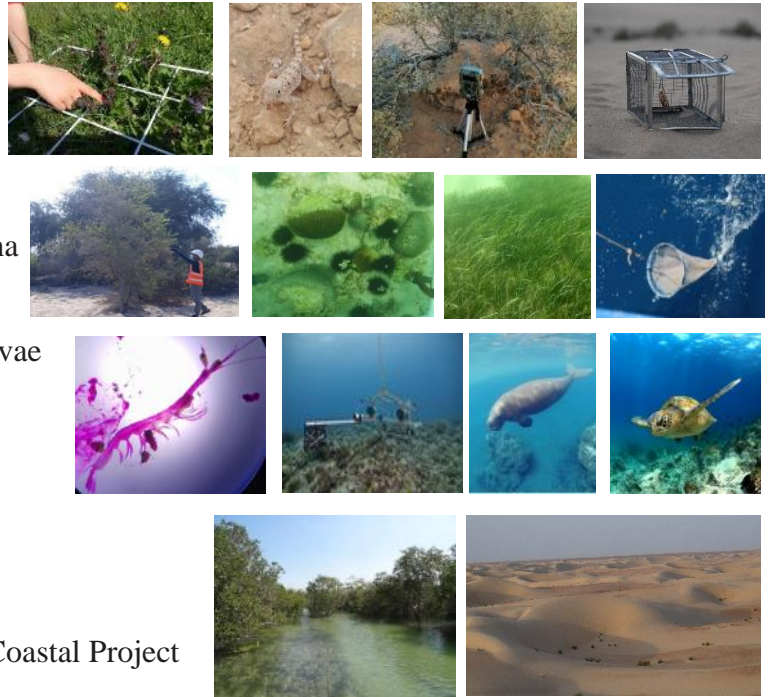
Environmental Consultancy

- Environmental Permitting Services
- Environmental Impact Assessment (EIA)
- Environmental Baseline Studies
- Preliminary Environmental Review (PER)
- Environmental Management Plan (CEMP, OEMP & DEMP)
- Environmental Action Plan (EAP) and Mitigation Plan
- Consulting and Design Pollution Control Equipment (Pulse Jet Bag Filter, Paint Booths, Sand Blasting Booth, Scrubber, Cyclone, Etc.,)
- Pollution / Emission Control Study
- Environmental Audit and Due Diligence
- Emission Estimation (PM, gases pollutant, liquid & solid waste)
- Corporate GHG and Carbon Footprint Studies
- Sustainability Consulting
- Energy Audit
- Contaminated Site Cleanup and Remediation
- Solid and Hazardous Waste Management
- Waste Minimization Plans
- Waste Audit



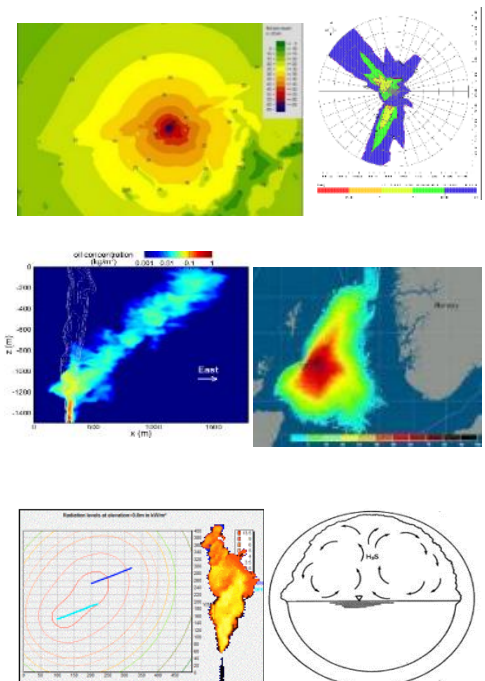
Ecological Survey

- Terrestrial Ecological Survey
- Habitat Mapping
- Marine Ecological Survey
 - Epibenthic and benthic infauna
 - Phytoplankton
 - Zooplankton, fish egg and larvae
 - Coral and seagrass survey
 - Pelagic ecosystem
 - Marine Mammal Monitoring
- Marine and Coastal Studies
- Mangrove Management Plan for Coastal Project
- Habitat Compensation and Implementation Plan
- Impacted Site/Habitat/Ecosystem Recovery/Rehabilitation



Pollutant Dispersion Modeling

- Air Dispersion Modeling
- Odor Dispersion Modeling
- Noise Dispersion Modeling
- Hydrodynamic Modeling,
- Sediment Transport Modeling
- Oil Spill Modeling
- Mud Spill Modeling,
- Quantitative Risk Assessment & Modeling
- H2S Emission Estimation Modeling from Sewer
- Flare Dispersion and Radiation Study



Environmental Monitoring

- Ambient Air Quality Monitoring

TSPM, PM₁₀, PM_{2.5}, SO₂, NO₂ CO, O₃, TVOC, H₂S, NH₃, wind speed, direction, temp., RH, SR & rainfall)



- Workplace Air Quality Monitoring

TSPM, PM₁₀, PM_{2.5}, SO₂, NO₂ CO, O₂, O₃, CO₂, TVOC, H₂S, NH₃, HCHO, Temperature & RH



- Stack Emission Monitoring

PM, SO₂, NO₂ CO, HC and VOC

- Ambient Noise Monitoring

- Occupational Hygiene Monitoring

- Breathing Air Quality Monitoring

- Personnel Air and Noise Monitoring

- Light Monitoring

- Underwater Noise Monitoring

- Occupation Noise Monitoring

- Odour Monitoring

- Soil Sampling and Analysis

- Drinking Water Sampling and Analysis

- Groundwater Sampling and Analysis

- Water and Wastewater Sampling and Analysis

- Seawater Quality Analysis

- Buoy Installation and Monitoring

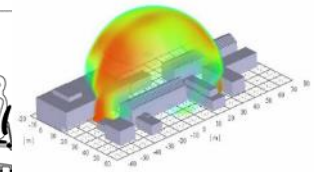
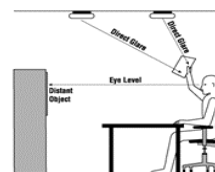
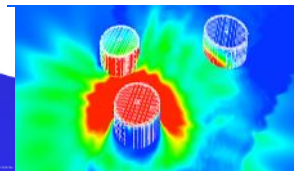
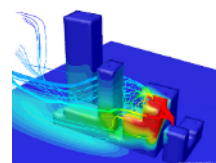
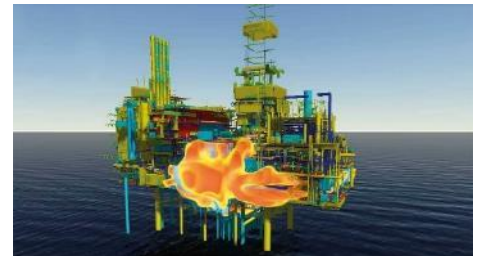
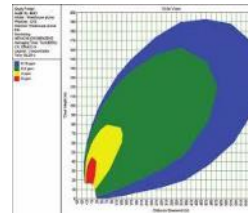
- Sediment Sampling and Analysis

- Waste Classification and Analysis



Occupational Safety and Health

- Development of Abu Dhabi Occupational Health and Safety Management System (OSHAD)
- OSH Management System Audit (OSHAD)
- Hazard Evaluations
- HSEIA Screening
- HAZID/ENVID/OHRA
- Hazard and Operability Study (HAZOP)
- Safety Integrity Level (SIL) Assessment and Verification
- Simultaneous Operations Studies (SIMOPS)
- Control of Major Accident Hazards (COMAH)
- Pre-startup Safety Review (PSSR)
- PHSER Reviews
- Process Hazard Analysis
- Risk Assessment
- Consequence Analysis
- Emergency Management Plan
- Fire Safety Analysis Review
- Passive Fire Protection Study
- Ergonomic Study
- Incident Investigation
- Safety Management Advisory Services
- OSH inspection Service



HSE Training

- Environmental Permit Condition Implementation Training
- Occupational Health Safety Training
- Hazardous Materials Handling, Storage and Management Training
- Pollution Prevention and Control Training
- Solid and Hazardous Waste Management Training
- Emergency Management Training
- Safe Operation Training



Project Management

- Construction Environmental Management
- Preparation of Plans and Procedures
- Project Inspection and Monitoring
- Overall Project Environmental, Health and Safety Management



OUR CLIENTS



PROJECT EXPERIENCE AND APPROVALS

Client	Title/ Scope of Services	Project Period	Approval Status
Jan De Nul Group /ADNOC	Construction Of Al Omairah Island, Abu Dhabi, UAE <ul style="list-style-type: none"> • Providing Environmental Engineer for Construction Environmental Management • Environmental Marine Monitoring and Periodic Reporting 	Dec 2023 to July 2025	Ongoing
Trojan General Contracting /ADNOC	HSEIA- CSMP & Environmental Studies for Das Island Residential Development (DIRD) Project, Das Island, Abu Dhabi <ul style="list-style-type: none"> • HAZID, ENVID, OHID, HSEIA Summary, SIMOPS/ MOPO Study • Baseline survey including marine In-situ water quality monitoring, Ex-situ water, sediment sampling, habitat assessment and mapping, seagrass survey, coral survey, biodiversity assessment and bird survey. • Sediment Dispersion Modeling, and Impact Assessment 	Dec 2023 to July 2024	Ongoing
Al Nasr Sidem / Emirates Water and Electricity Company (EWEC)	Asbestos and Terrestrial Ecological Survey for Mirfa 2 Reverse Osmosis Independent Water Project (IWP)	Nov 2023 to Dec 2023	Completed
Miral / Ayesa	Preliminary Environmental Review (PER) for Yas Bay Beach, Abu Dhabi <ul style="list-style-type: none"> • Baseline survey including marine In-situ water quality monitoring, Ex-situ water, sediment sampling, habitat assessment and mapping, seagrass survey, coral survey, biodiversity assessment, bird survey. • Sediment Dispersion Modeling, Flushing study and Impact Assessment 	Jan 2024 to Mar-2024	Ongoing
Khatib and Alami/ Reem Hills LLC	EIA of Reem Hills Development-Phase 3 <ul style="list-style-type: none"> • Baseline survey including marine In-situ water quality monitoring, Ex-situ water, sediment sampling, habitat assessment and mapping, seagrass survey, coral survey, biodiversity assessment, mangrove survey, bird survey. • Sediment Dispersion Modeling, stormwater discharge modeling, flushing study and Impact Assessment 	Dec 2024 to Mar-2024	Ongoing

Client	Title/ Scope of Services	Project Period	Approval Status
Hilal Bil Badi & Partners Contracting Company (WLL) / Al Dar Properties	<ul style="list-style-type: none"> • Mangrove mortality Assessment • Habitat Compensation Plan. 	Nov. 2023 to Feb. 2024	Ongoing
ALEC Engineering & Contracting LLC/Executive Affairs Authority (EEA)	Preparation of CEMP and Environmental Audit for Yas Water World Expansion Phase 02	Dec 2023 to Dec 2024	Ongoing
ADEC Engineering Consultancy	PER for Sas Al Nakhl Island Dredging and Reclamation <ul style="list-style-type: none"> • Prepare Preliminary Environmental Review Scope of Baseline: <ul style="list-style-type: none"> • In-situ water quality monitoring, Ex-situ water, sediment infauna, Ecological Survey, Habitat mapping, soil, air and noise monitoring. 	Oct 2023 to Dec 2023	Ongoing
Jan De Nul Group /ADNOC	Jabel Dhanna Channels Enhancement, Abu Dhabi, UAE <ul style="list-style-type: none"> • Providing Environmental Engineer for Construction Environmental Management • Environmental Monitoring and Periodic Reporting 	Sep 2023 to Mar 2024	Ongoing
Al Thail Metal Scrap LLC/ AMPC/ADDC	Madinat Zeyad Power Station Decommissioning Project <ul style="list-style-type: none"> • Environmental Supervision of Decommissioning of Madinat Zayed Power Station • Conduct Periodic Inspection and Reporting • Prepared Waste Management Plan 	Sep 2023 to Sep 2024	Ongoing
Beeah, Sharjah	QRA for Eva Global Energy FZC <ul style="list-style-type: none"> • Quantitative Risk Assessment for the Hydrocarbon processing facility and Tanks. 	Sep 2023 to Nov 2023	Completed
TARGET Engineering Construction Company /ADNOC	Dalma Gas Development Project <ul style="list-style-type: none"> • Providing Environmental Consultant for construction Environmental Management • Environmental Monitoring (Air, Water, Noise and Marine) 	June 2023 to Dec 2025	Ongoing

Client	Title/ Scope of Services	Project Period	Approval Status
Abu Dhabi Quality and Conformity Council (ADQCC) Abu Dhabi Government	Climate Change Study <ul style="list-style-type: none"> • Review of past product conformity schemes • Identifying / Highlighting the challenges and/or limitations of the existing product conformity schemes • Stakeholder engagement & Feedback, Data interpretation • Identifying current gaps by comparing the local, regional, and international levels by encouraging government entities and the private and public sectors to deal with products and services that bear the QCC Trustmark. • Identifying Impact assessment & Control measures to attain sustainable, environmental, and energy products of QCC conformity programs). Report preparation, Final Report preparation, and Presentation to QCC	June 2023 to Nov 2023	Completed
Tasneem General Contracting Co. and Real Estate Management LLC/ADDC	EIA for Water Supply to Al Yasat Island. <ul style="list-style-type: none"> • Baseline survey including marine In-situ water quality monitoring, Ex-situ water, sediment sampling, habitat assessment and mapping, seagrass survey, coral survey, biodiversity assessment (phytoplankton, zooplankton, fish egg and larvae, benthic infauna), bird survey. • Sediment Dispersion Modeling and Impact Assessment 	May 2023 to July 2023	Completed
Masdar City	<ul style="list-style-type: none"> • Environmental Audit for Masdar City Projects 	May 2023 to June 2025	Completed
Al Jaber Glass Roving and GRP Pipe LLC	<ul style="list-style-type: none"> • Pollution control Study for VOC • Environmental Action Plan 	July 2023	Completed
National Cement Factory P.O. Box 106077, ICAD I Abu Dhabi, U.A. E	Pollution control Study <ul style="list-style-type: none"> • Perform Wind Pattern Study • Provide fugitive dust control plan for stockpiles. • Provide consultancy services for the air pollution control device for the Raw Material Storage Area 	March 2023 to July 2023	Completed
Aber Ahmed Equipment Est. (ABEST)/ADOC	<ul style="list-style-type: none"> • PHA and HSEIA Screening Study including HAZID, ENVID and OHID 	January 2023 to March	Completed

Client	Title/ Scope of Services	Project Period	Approval Status
	for ADOC, WWDP FEED Project, Abu Dhabi, UAE	2023	
Bureau Veritas /ADNOC	<ul style="list-style-type: none"> • Terrestrial Ecology Survey for ADNOC and ADIA Project 	March 2023 and May 2023	Completed
Bureau Veritas /ADNOC	<ul style="list-style-type: none"> • Drill Cutting Dispersion Modelling for Belbazem (BB), Umm Al Salsal Field, Umm Al Dholou Field, Bin Nashar AP01, AP02 and Mandous Field 	April 2023 and May 2023	Completed
Green Solutions Environmental Services LLC / Arabia Recycling Used Tires	<ul style="list-style-type: none"> • Air Dispersion Modeling Studies for Arabia Recycling Used Tires 	April 2023	Completed
Abu Dhabi Port/ National Marine Dredging Company (NMDC)	<ul style="list-style-type: none"> • Environmental Audit and Monitoring works for Khalifa Port Development Works - Unsuitable Dredging Material Offshore Disposal 	December 2022 to December 2023	Ongoing
Velosi Asset Integrity Services	<ul style="list-style-type: none"> • Sediment Dispersion and Flushing Study at Ghantoot Naval Base 	December 2022 to February 2023	Completed
Velosi Asset Integrity Services	<ul style="list-style-type: none"> • Oil Spill Dispersion Modelling for Black 5 • Drill Cutting Dispersion Modelling for Black 5 	December 2022 to February 2023	Completed
Dutch Foundation Dutch Foundations Co. WLL / MODON	<ul style="list-style-type: none"> • Preparation of CEMP, Environmental Audit, Implementation Estidama Sustainability requirements for P1944 HW2 Sports Hotel Site for MODON 	February 2023 to January 2024	Ongoing
Barakah Nuclear Power Plant (BNPP) Emirates Nuclear Energy Corporation (ENEC) Korea Hydro & Nuclear Power (KHNP) Hyundai/Samsung Joint Venture (HSJV)	<ul style="list-style-type: none"> • Environmental Audit for the construction activities associated with Prime Contract and pre-commissioning/commissioning activities of unit 4, construction activities related to Physical Protection System (PPS) and non-Prime contract in the BNPP project. 	January 2023 to February 2024	Ongoing
AD Port / Marinas Performace PO Box 47250, Abu Dhabi, UAE.	<ul style="list-style-type: none"> • Seawater and Sediment Sampling analysis (ex-situ) • Seawater Quality Monitoring in-situ using multiparameter analyzer • Weekly and Monthly Environmental Inspection • Preparation of Monitoring Report 	January 2023 to March 2023	Completed

Client	Title/ Scope of Services	Project Period	Approval Status
	<ul style="list-style-type: none"> Quarterly Environmental Audit 		
Miral Asset Management LLC/ ALEC Engineering & Contracting LLC	<ul style="list-style-type: none"> Preparation of CEMP and Environmental Audit for Construction of Natural History Museum & Centre of Curiosity 	July 2022 to July 2023	Completed
ABENGGOA/SEPCOIII Electric Power Construction Co. Ltd. /TDC	<ul style="list-style-type: none"> Marine Ecological Survey for Operation of Taweelah RO Independent Water Project. Scope: Seagrass and Coral Habitat Monitoring (Ras Ghanada Area), Zooplankton, Phytoplankton Survey Fish census and fish egg and larvae survey 	September 2022	Completed
Al Etihad Biwater Waste Water PJSC	<ul style="list-style-type: none"> Environmental Permit Renewal Semiannual OEMP Audit Quarterly Waste Audit 	January-2022 to December 2024	Ongoing
Tebodin Middle East Ltd Ahmed Ghanem Mazroui Building, Hamdan Street, Tourist Club Area, Abu Dhabi	<ul style="list-style-type: none"> Environmental Baseline Study Support and Hydrodynamic Modeling Studies for Ali & Sons Mega Base Project, ICAD II 	February 2022 to August 2022	Approved
Abu Dhabi Port/ National Marine Dredging Company (NMDC)	<ul style="list-style-type: none"> Environmental Impact Assessment (EIA) for Unsuitable Dredging Material Offshore Disposal Area (Marine Ecological Survey, Hydrodynamic Modeling) 	February 2022 to December 2022	Approved by EAD
Abu Dhabi Port/ National Marine Dredging Company (NMDC)	<ul style="list-style-type: none"> CEMP for the project shalal development– Marine Dredging and Reclamation Works (contract no. 2101-279), Khalifa Port, Abu Dhabi. Providing Environmental Consultant for Marine Environmental Monitoring Marine Habitat Survey Coral Spawning Survey 	February 2022 to October 2023	Completed
Train Environmental Services	<ul style="list-style-type: none"> OEMP for Al Mafrq Transfer Station 	January 2022 to February 2022	OEMP Submitted to client
Velosi Asset Integrity Services	<ul style="list-style-type: none"> Oil Spill Dispersion Modelling Drill Cutting Dispersion Modelling Underwater Noise Dispersion Modelling 	December 2021 to January 2022	Completed

Client	Title/ Scope of Services	Project Period	Approval Status
Tornado Rover Alcisa Engineering and Construction Company LLC., (Tornado)	<ul style="list-style-type: none"> • Mangrove Monitoring and Management Plan • Seagrass Monitoring • Seawater and Sediment Sampling analysis (ex-situ) • Seawater Quality Monitoring in-situ using multiparameter analyzer for pH, Turbidity, Salinity, Chlorophyll, Turbidity and depth. • Weekly and Monthly Environmental Inspection • Preparation of Monitoring Report • Quarterly Environmental Audit 	Nov. 2021 to February 2023	Completed
Al Mirfa Power Company	Environmental Consultancy Services for Decommissioning of Umm AL Nar Station, Al Ain Power Station, Baniyas Power Station and Madinat Zayed Power Station. Scope: Asbestos Survey and Assessment Environmental Site Assessment Decommissioning Environmental Management Plan (DEMP)	Sep. 2021 to December 2022	Completed
Emirates CMS Power Company	Environmental Consultancy Services for Decommissioning of Taweelah A2 Power Station Scope: <ul style="list-style-type: none"> • Asbestos Survey and Assessment • Environmental Site Assessment • Decommissioning Environmental Management Plan (DEMP) • OSH Documentation • Decommissioning Site Management 	Sep. 2021 to June 2022	Completed
Tornado Rover Alcisa Engineering and Construction Company LLC.,	Environmental Consultancy Services for Sadiyat Island, Al Rabadan and Al Aliya Marina development works Scope: <ul style="list-style-type: none"> • Construction Environmental Management Plan (CEMP) Study • Marine Baseline Environmental Monitoring 	Sep. 2021 to Feb. 2022	Completed
SEPCOIII Electric Power Construction Co. Ltd.	Marine Monitoring Works for Construction of Taweelah RO	Aug 2021 to August 2022	Completed

Client	Title/ Scope of Services	Project Period	Approval Status
/TDC	Independent Water Project. Scope: Monthly Seagrass and Critical Habitat Monitoring (Ras Ghanada Area), Seawater in-situ and ex-situ water quality and sediment sampling analysis		
Train Environmental Services	Hazardous Waste Landfill Closure Plan, Al Dhafra Landfill	August 2021 to December 2021	Completed
RNZ International FZE:	Operation Environmental Management Plan for RNZ AgroTech Industries Ltd. (RNZ) Scope: Prepare Operation Environmental Management Plan for Sulphure Bentonite, Sulphure-S, Bio fungicide and pesticide manufacturing plant	August 2021 to February 2022	Waiting for completion of construction
Tasneem General Contracting Co. and Real Estate Management LLC	Coral Survey, mapping and Construction Environmental Management Plan (CEMP) study for Power Supply to Al Yasat Island.	July 2021	Approved By EAD
Tebodin Middle East Ltd Ahmed Ghanem Mazroui Building, Hamdan Street, Tourist Club Area, Abu Dhabi	Terrestrial & Marine Surveys for ADCO Onshore facilities SAB, Sahil, Shah, Qusahwaira, Mender, Bab, Bu Hasa and NEB (Dy/Ra) Marine Survey Scope: Marine Water Quality in-situ monitoring and ex-situ sampling analysis, Sediment Sampling and analysis, Benthic infauna Sampling and Analysis, Habitat assessment using dropdown camera, Plankton (Zoo & Phyto) sampling and assessment	April 2021 to November 2021	Completed
Ittihad Paper Mill LLC	Environmental Audit for Ittihad LLC	Apr 2021 to August 2021	Completed

Client	Title/ Scope of Services	Project Period	Approval Status
Tasneem General Contracting Co. and Real Estate Management LLC	PER for Power Supply to Al Yasat Island. (Dredging work included) Scope of Baseline: Underwater Noise Marine In-situ water quality monitoring, Ex-situ water, sediment sampling, Seagrass survey, Coral survey, Ecological Survey, Habitat mapping, soil, groundwater and noise monitoring, Hydrodynamic and Sediment Plume Modeling.	February 2021 to July 2021	Approved By EAD
Dr. Mahmood Ali Al Saie Engineering Consultancy & Design Bureau	EIA for Water Supply to Al Yasat Island. Baseline survey including marine In-situ water quality monitoring, Ex-situ water, sediment sampling, habitat assessment and mapping, seagrass survey, coral survey, biodiversity assessment (phytoplankton, zooplankton, fish egg and larvae, benthic infauna), bird survey.	Aug. 2020 to July 2021	Approved by EAD
SEPCO III Electric Power Construction Co.Ltd	Workplace Air Quality and Personnel Air Quality Monitoring (Workplace)	Aug. 2020 to Aug. 2021	Completed
MH Power Systems Middle East LLC.	Indoor and Personnel Air Quality Monitoring and Water Quality Monitoring	Feb. 2021	Completed
Dar Al-Hndasah Consultants (Shair and Partners)	Existing Tree Survey and Assessment for the Ba Al Ghaiylam – Development, Infrastructure and Public Realm Project, Abu Dhabi, UAE	Nov. 2020 to Jan. 2021	Approved by EAD
Velosi Asset Integrity Services /National Marine Dredging Company (NMDC).	Mangrove Survey for Al Jubail Island Development Project, Abu Dhabi, UAE	Oct. 2020 to Jan. 2021	Approved by EAD
Urja Bharat Pte. Limited – Abu Dhabi (UBPL) /Velosi Asset Integrity Services	Terrestrial Ecological Survey (TES) for Proposed exploration wells in Block-1 Bida Hazza protected area and Al Houbara Protected Area.	Sep. 2020 to Oct. 2020	Approved by EAD
Ducab Metals LLC.	Preliminary Environmental Review (PER) for Ducab Metals LLC.	June 2020 to Aug. 2020	Approved by EAD
AMMROC LLC, Al Ain	Environmental Audit for AMMROC LLC	June 2020 to Nov. 2020	Approved by EAD

Client	Title/ Scope of Services	Project Period	Approval Status
Huta Hegerfeld Abu Dhabi / SEPCO III/ Taweelah Desalination Plant	Marine Environmental Monitoring at Taweelah Desalination Plant Project Scope: Marine In-situ water quality monitoring, Ex-situ water, sediment sampling, Seagrass survey, Coral survey, Ecological Survey (Phytoplankton, Zooplankton, Fish egg and larvae, Benthic infauna) Habitat mapping, Turtle Monitoring during nesting period, Marine Mammals and Reptile Observation and noise monitoring	Mar. 2020 to July 2021	Monitoring reports has been approved as part of Audit Report.
RNZ International FZE:	Environmental Impact Assessment for RNZ AgroTech Industries Ltd. (RNZ) – Sulphure Bentonite Plant	Jan. 2020 to May 2020	Approved by EAD
Al Jaber Energy Services LLC (AJES) / ADNOC	Construction Environmental Management Plan (CEMP) EPC for early civil and site preparation works (package 5 – Onshore Early Works)	Mar. 2020 to May 2020	Approved by EAD
Hilal Bil Badi & Partners Contracting Company (WLL) / Modon Properties	Environmental Audit for Hudayriat Island Development Project	Jan. 2020 to Feb. 2020	Approved by EAD
Velosi Asset Integrity Services	Terrestrial Ecological Survey for Road Strengthening and Widening Project from Al Showaib Roundabout (E-60/E-55) To Sharjah Emirates Border	Dec.2019 to Jan. 2020	Approved by EAD
Ittihad Paper Mill LLC	OEMP for Ittihad Paper Mill Company in ICAD III, Abu Dhabi	Dec.2019 to Feb. 2020	Approved by EAD
Train Environmental Services /Tadweer	OEMP for Al Dhafra Landfill, Abu Dhabi, UAE/ Public/Abu Dhabi, UAE	Nov.2019 to Jan. 2020	Approved by EAD
Al Dhafra Paper Manufacturing Company LLC	Environmental Audit for ADPMC LLC	Sep. 2019 to Nov. 2019	Approved by EAD
Hilal Bil Badi & Partners Contracting Company (WLL) / ADNOC Logistic and Services	Construction Environmental Management Plan (CEMP) for the Expansion of Esnaad Jetty at Mussafah MW-5, Abu Dhabi, UAE	Aug. 2019 to Nov.2019	Approved by EAD

Client	Title/ Scope of Services	Project Period	Approval Status
ATGC / Barary Ain Al Fayda	Construction Environmental Management Plan (CEMP) Terrestrial Ecological Plan –for the Ain Al Fayda Phase-2 Zones 1 and 2 (Barary Ain Al Fayda) development project infrastructure	Jun. 2019 to Jul. 2019	Approved by EAD
Gulf Oil and Gas Co. LLC / ADNOC Logistic and Services	HSEIA Screening Study for Various Maintenance Works at existing Jetty inside ADNOC Logistics & Services – Lot No 1. Replacement of Damaged Jetty Fender / ADNOC / Abu Dhabi, UAE.	Sep. 2019 to Nov.2019	Approved by ADNOC
Hilong Petroleum Pipe Co LLC	Workplace Air Quality Monitoring	August-2019	Completed
Emarat Aloula	Environmental Monitoring (Stack, Ambient Air and Noise)	Jul-2019	Completed
AL HILAL ADVANCED PLASTIC LLC	OSHMS Documentation	Jun-2019	Completed
Abu Mansoor Plastic Factory LLC	Environmental Monitoring (Workplace Air and Noise)	Jun-2019	Completed
BIN MANSOUR PLASTIC LLC	OSH Documentation and Environmental Monitoring (Workplace Air and Noise)	Jan-2019	Completed

TRADE LICENSE

مركز أبوظبي للأعمال
Abu Dhabi Business Center



دائرة التنمية الاقتصادية
DEPARTMENT OF ECONOMIC DEVELOPMENT



Economic License

Commercial License

Emerging Economic Establishment

رخصة اقتصادية

رخصة تجارية

منشأة اقتصادية ناشئة

License No	:	CN-2688126	:	رقم الرخصة
ADCCI No	:	2595095	:	عضوية الغرفة
Establishment Card MOHRE	:	986788	:	وزارة الموارد البشرية والتوطين بطاقة المنشأة
Establishment Card ICA	:	504606	:	الهيئة الاتحادية للهوية والجنسية بطاقة المنشأة
Legal Form	:	Limited Liability Company	:	الشكل القانوني شركة ذات مسؤولية محدودة
Trade Name	:	ADEPT ENVIRONMENTAL CONSULTANCY L.L.C.	:	الاسم التجاري انديبت الاستشارات والدراسات ذ.م.م
Establishment Date	:	25/12/2018	:	تاريخ تأسيس المنشأة
Issue Date	:	17/11/2023	:	تاريخ الإصدار
Expiry Date	:	24/12/2024	:	تاريخ الانتهاء

الصفة Role	الجنسية Nationality	المالك / الشركاء Owners / Partners	الرمز No.
شريك Partner	الإمارات العربية المتحدة United Arab Emirates	هند عبدالله علي المرزوقي HIND ABDULLA ALI ALMARZOOQI	41710974
شريك Partner	الهند India	سيناثيپاثي كاليموثو كاليموثو SENATHIPATHI KALIMUTHU KALIMUTHU	41933645

Economic Activities	:	الأنشطة الاقتصادية
- Onshore And Offshore Oil And Gas Fields And Facilities Services		- خدمات حقول ومنشآت النفط والغاز البرية والبحرية
- Environmental consultancy and studies and researches		- الاستشارات والبحوث البيئية
- Professional Safety And Health Consultancy		- استشارات السلامة والصحة المهنية
Address	:	مدينة محمد بن زايد، مدينة محمد بن زايد شرق 10، 0 : س، مبنى، الميد سبيل خادم عبد حليس و اخرين
Onwani Address	:	العنوان الموحد

Official Email	:	adept@adepteco.com	:	البريد الإلكتروني الرسمي
Official Mobile	:	+971567535789	:	رقم التواصل الرسمي



هيئة أبوظبي للدفاع المدني
ABU DHABI CIVIL DEFENCE
AUTHORITY



www.added.gov.ae

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Approved document issued without signature or stamp by the Department of Economic Development - Abu Dhabi. To verify the license kindly

ENVIRONMENTAL LICENSE WITH EAD



هيئة البيئة - أبوظبي
 Environment Agency - ABU DHABI

اعتماد لمكتب استشاري في مجال البيئة
 فئة (أ)

Registration of Environmental Consultancy Office Class A



Office No.	OFF-175	رقم المكتب
Date of Issue	10/01/2024	تاريخ الاصدار
Date of Expiry	09/01/2025	تاريخ الانتهاء

Office Name:	ADEPT ENVIRONMENTAL CONSULTANCY L.L.C.	اديبب الاستشارات والدراسات ذ.م.م	اسم المكتب:
Type of Office:	Joint Venture (Minimum 51% local)	استثمار مشترك (51% محلي)	نوع المكتب:
Address:	اخريين و حليس عيد خادم سهيل السيد، مبنى 10، 0 شرق زايد بن محمد مدينة، زايد بن محمد مدينة		العنوان:

Fields of Work	مجالات العمل
Environmental Studies, Site Remediation, Waste Management, Air Quality Monitoring and Associated Reporting, Surface and Ground Water Quality Monitoring and Associated Reporting, Soil Quality Monitoring and Associated Reporting, Marine and Coastal Quality Monitoring and Associated Reporting, Terrestrial and Marine Biodiversity and Habitat Surveys and Associated Reporting, Environmental Compliance Auditing	الدراسات البيئية، إعادة تأهيل المواقع، إدارة النفايات، مراقبة جودة الهواء والتقارير ذات الصلة، مراقبة جودة المياه السطحية والجوفية وإعداد التقارير ذات الصلة، مراقبة جودة التربة وإعداد التقارير ذات الصلة، مراقبة جودة البيئة البحرية والساحلية وإعداد التقارير ذات الصلة، إعداد المسوحات البرية والبحرية للتنوع البيولوجي والأنظمة البيئية وإعداد التقارير ذات الصلة، التدقيق على الامتثال البيئي
The registration will not be renewed if the renewal application is not submitted within 6 months after the date of expiry.	لن يتم تجديد اعتماد المكتب إذا لم يجدد خلال ستة أشهر من تاريخ انتهاء الصلاحية.
Class A consultancy offices are eligible to undertake all types of studies, e.g., TORs, EIAs, SEAs, PERs, Environmental Action Plans, CEMPs, OEMPs etc. for the industrial, development, and infrastructure sectors	فئة أ - هي المكاتب الاستشارية التي يحق لها إجراء جميع أنواع الدراسات البيئية للمشاريع الصناعية والتطويرية والبنية التحتية، على سبيل المثال: وثائق الشروط المرجعية، دراسات تقييم الأثر البيئي والاستراتيجي، الدراسات البيئية الأولية، تقارير التدقيق البيئي، خطط عمل بيئية، خطط الإدارة البيئية للعمليات الإنشائية، وخطط الإدارة البيئية للعمليات التشغيلية

Environment Quality Sector
 ص.ب 45553، أبوظبي، الإمارات العربية المتحدة
 PO Box 45553, Abu Dhabi, United Arab Emirates



+971 2 693 4444

قطاع الجودة البيئية
 customerhappiness@ead.gov.ae
 www.ead.gov.ae

Classification: Confidential - سري

ADNOC APPROVAL

Your Submission Version is: 1

[View History](#)

Your unique code is: **OpQRhGED80mOvzS8tK8qQ**

Supplier Info

Supplier Name *

Adept Environmental Consultancy

Supplier Code

0010017581

Supplier Contact person Name *

Senathipathi Kalimuthu

Supplier Contact person Email

adept@adepteco.com

Contractor

Add new Associate




Manage	Associate Code	Associate Name	Country Of Origin	Agency Types
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◀ ▶

Add Work Group without Associate

Delete	Work Group Commodity	Work Group Commodity Code	Work Group	Pre-Qualification Status	Classification
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ADNOC Suppliers Data

	Work Group	Work Group		Pre-	
Delete	Commodity	Commodity Code	Work Group	Qualification Status	Classification
		720 - HSE AUDIT AND CONSULTANCY SERVICES	720010 - ENVIRONMENTAL AUDIT	PQ - Pre-qualified	
	7 - HSE/QA	730 - HSE SURVEY AND STUDIES	730110 - CONTAMINATED SITE ASSESSMENT	PQ - Pre-qualified	D
	7 - HSE/QA	720 - HSE AUDIT AND CONSULTANCY SERVICES	720020 - ENVIRONMENTAL CONSULTANCY SERVICES	PQ - Pre-qualified	D
	7 - HSE/QA	730 - HSE SURVEY AND STUDIES	730010 - ENVIRONMENTAL BASELINE SURVEY AND STUDIES.	PQ - Pre-qualified	D



ICV CERTIFICATE



IN-COUNTRY VALUE CERTIFICATE

Certificate ID: 127765
Issue Date: 19.10.2023
Valid Until: 22.09.2024

ADEPT ENVIRONMENTAL CONSULTANCY L.L.C

39.69%

Company General Information

License No.: CN-2688126
Company Type: SME in UAE
Financial Year End Date: 31.12.2022
Company based in: Within UAE
Company Business: SERVICE PROVIDER

For Cases of Re-Certification
Re-Certification (*) No.:

Reason for this Re-Certification

Signed By
On behalf of Supplier

Name:
SENATHIPATHI KALIMUTHU KALIMUTHU

Designation:
Partner

Verified as per ICV Agreed Upon Procedures (AUP)
On behalf of Certification Body

Name:
Jaffar A. Rupawala

Designation:
Partner

Electronically signed by
Jaffar A. Rupawala

Company:
Mazars Chartered Accountants - LLC

Certificate Issued Based on ICV Version: 3.0

QHSE POLICY



QHSE Policy

ADEPT ENVIRONMENTAL CONSULTANCY LLC shall commit and ensure Quality of its services, Health & Safety of its Employees, Clients, Visitors and the community at large and protect the physical environment in which the **ADEPT ENVIRONMENTAL CONSULTANCY LLC**'s associated business activities are carried out as per Trade License and Environmental License.

The Management and Staff of **ADEPT ENVIRONMENTAL CONSULTANCY LLC** shall:

- Ensure that our products and services meet the needs and expectations of our clients in terms of quality
- Develop and implement an Integrated Management System conforming to ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018
- Ensure the availability of personal, financial and human resources necessary to mitigate the adverse impact of its operations on HSE
- Undertake reviews to measure QHSE performance against identified objectives and targets and continually improve the system
- Ensuring the safety and welfare of our staff and the protection of our assets
- Comply with or exceed all relevant Quality, Environmental, Health & Safety legal laws, regulations and other requirements
- Identify the hazards in the production facility, assess the risks and manage those risks in order to reduce adverse impact on HSE
- Periodically review the suitability, adequacy and effectiveness of the (QHSE) management system
- Make every effort to protect the environment and prevent pollution, minimize consumption of materials, promote reuse and recycling of wastes and adopt best practice on waste management
- Strive to achieve continual improvement of the QHSE management system and related performance
- Prevent accidents and cases of work-related ill-health
- Provide appropriate training to employees where applicable
- Ensure that the company's QHSE Policy is well communicated to all quarters concerned



K. Senthil Kumar

Managing Director

Date: 02/01/2022

AEC-COM-MR-F01

Rev.: 00

SUSTAINABILITY POLICY



Sustainability Policy

ADEPT ENVIRONMENTAL CONSULTANCY LLC (ADEPT) shall commit and ensure sustainable development of its business, taking economic, environmental and social aspects in which the **ADEPT's** associated business activities are carried out.

The Management and Staff of **ADEPT ENVIRONMENTAL CONSULTANCY** shall:

ADEPT feels that transparency about its sustainability work is an important basic principle.

ADEPT seeks dialog with various stakeholders in order to develop its practices and make relevant priorities.

ADEPT demands the same transparency from its suppliers and subcontractors.

ADEPT's Code of Conduct serves as the foundation for the Group's sustainability work.

ADEPT is to:

- Conduct its business where the impact on people, environment and assets are at a minimum and in a way that, at the very least, corresponds to the applicable regulatory requirements.
- Assess the environmental impact of its services in various stages of their life cycle and include suppliers and customers in this process.
- Promote the use of appropriate and recognized standards for environmental management
- Continuously review and challenge its objectives and targets in order to reduce the company's environmental and climate impact.
- Develop together with the communities in which the company is active.
- Be an inclusive employer that advocates diversity and enables its employees to achieve their full potential.
- Strive to increase resource efficiency both in its own operations and through its services.
- Adopt a long-term perspective in its efforts to sustainable development.
- Actively strive to constantly improve health and safety at the workplaces and have a vision of zero workplace accidents
- Make continuous improvements and develop the competencies of employees in order to achieve the Group's targets and long-term strategy.




Managing Director

Date: 02/02/2022

AEC-COM-MR-F02

Rev.: 02

QHSE INTEGRATED MANAGEMENT SYSTEM CERTIFICATES



VERITAS



CERTIFICATE

OF REGISTRATION

This is to certify that the Management System of



Adept Environmental Consultancy L.L.C.

M-2, Plot No.C-14, Mussafah ME-10 (Shabiya 10), Mohammed Bin Zayed City, Abu Dhabi, United Arab Emirates.

has been assessed and registered by Veritas System Quality Certificates as conforming to the requirements of

ISO 9001:2015

Quality Management System

The Quality Management System is applicable to:

- Environmental Consultancy and Studies and Researches
- Site Remediation
- Waste Management
- Air Quality Monitoring and Associated Reporting
- Surface and Ground Water Quality Monitoring and Associated Reporting
- Soil Quality Monitoring and Associated Reporting
- Marine and Coastal Quality Monitoring and Associated Studies Reporting
- Terrestrial and Marine Biodiversity and Habitat Surveys and Associated Reporting
- Environmental Compliance Auditing
- Environmental Pollution Control and Protection Means of Engineering
- Sustainability Consulting
- Health, Safety and Environmental Protection Training
- Professional Safety & Health Consultancy
- OSH Audit
- Onshore and Offshore Oil and Gas Fields and Facilities Services

IAF/EA-NACE Code: 34-71.12

Certificate No : VSQC099-42123499

Initial Certificate Date : 01-02-2023 | Certificate expiry date : 31-01-2026

1st Surveillance due before : 31-01-2024 | 2nd Surveillance due before : 31-01-2025

This certificate is validated through successful completion of the annual surveillance audit

D. Williams

Authorised Signatory

**Veritas System
Quality Certificates Issuing LLC**

P.O. Box: 122982, Al Karama, Dubai,
United Arab Emirates.



This certificate remains valid while the holder maintains the management system in accordance with the standards) above, which will be periodically audited by Veritas System Quality Certificates Issuing LLC.

This certificate remains the property of Veritas System Quality Certificates Issuing LLC and must be returned on request. In the issuance of this certificate, Veritas System Quality Certificates Issuing LLC no liability to any party other than to the client, and then only in accordance with the agreed upon certification agreement. Validity of this certificate may be confirmed at www.veritasassurance.com, directly through QR code by using any device with correct information or email to admin@veritasassurance.com.



www.veritasassurance.com



VERITAS

CERTIFICATE

OF REGISTRATION

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M-2, Plot No.C-14, Mussafah ME-10 (Shabiya 10), Mohammed Bin Zayed City, Abu Dhabi, United Arab Emirates.

has been assessed and registered by Veritas System Quality Certificates as conforming to the requirements of

ISO 14001:2015

Environmental Management System

The Environmental Management System is applicable to:

- Environmental Consultancy and Studies and Researches
- Site Remediation
- Waste Management
- Air Quality Monitoring and Associated Reporting
- Surface and Ground Water Quality Monitoring and Associated Reporting
- Soil Quality Monitoring and Associated Reporting
- Marine and Coastal Quality Monitoring and Associated Studies Reporting
- Terrestrial and Marine Biodiversity and Habitat Surveys and Associated Reporting
- Environmental Compliance Auditing
- Environmental Pollution Control and Protection Means of Engineering
- Sustainability Consulting
- Health, Safety and Environmental Protection Training
- Professional Safety & Health Consultancy
- OSH Audit
- Onshore and Offshore Oil and Gas Fields and Facilities Services

IAF/EA-NACE Code: 34-71.12

Certificate No : VSQC099-42123500

Initial Certificate Date : 01-02-2023 | Certificate expiry date : 31-01-2026

1st Surveillance due before : 31-01-2024 | 2nd Surveillance due before : 31-01-2025

This certificate is validated through successfully completion of the annual surveillance audit

D. Williams

Authorised Signatory

Veritas System
Quality Certificates Issuing LLC

P.O. Box: 122982, Al Karama, Dubai,
United Arab Emirates.



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VERITAS

CERTIFICATE

OF REGISTRATION

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Adept Environmental Consultancy L.L.C.

M-2, Plot No.C-14, Mussafah ME-10 (Shabiya 10), Mohammed Bin Zayed City, Abu Dhabi, United Arab Emirates.

has been assessed and registered by Veritas System Quality Certificates as conforming to the requirements of

ISO 45001:2018

Occupational Health & Safety Management System

The Occupational Health & Safety Management System is applicable to:

- Environmental Consultancy and Studies and Researches
- Site Remediation
- Waste Management
- Air Quality Monitoring and Associated Reporting
- Surface and Ground Water Quality Monitoring and Associated Reporting
- Soil Quality Monitoring and Associated Reporting
- Marine and Coastal Quality Monitoring and Associated Studies Reporting
- Terrestrial and Marine Biodiversity and Habitat Surveys and Associated Reporting
- Environmental Compliance Auditing
- Environmental Pollution Control and Protection Means of Engineering
- Sustainability Consulting
- Health, Safety and Environmental Protection Training
- Professional Safety & Health Consultancy
- OSH Audit
- Onshore and Offshore Oil and Gas Fields and Facilities Services

IAF/EA-NACE Code: 34-71.12

Certificate No : VSQC099-42123501

Initial Certificate Date : 01-02-2023 | Certificate expiry date : 31-01-2026

1st Surveillance due before : 31-01-2024 | 2nd Surveillance due before : 31-01-2025

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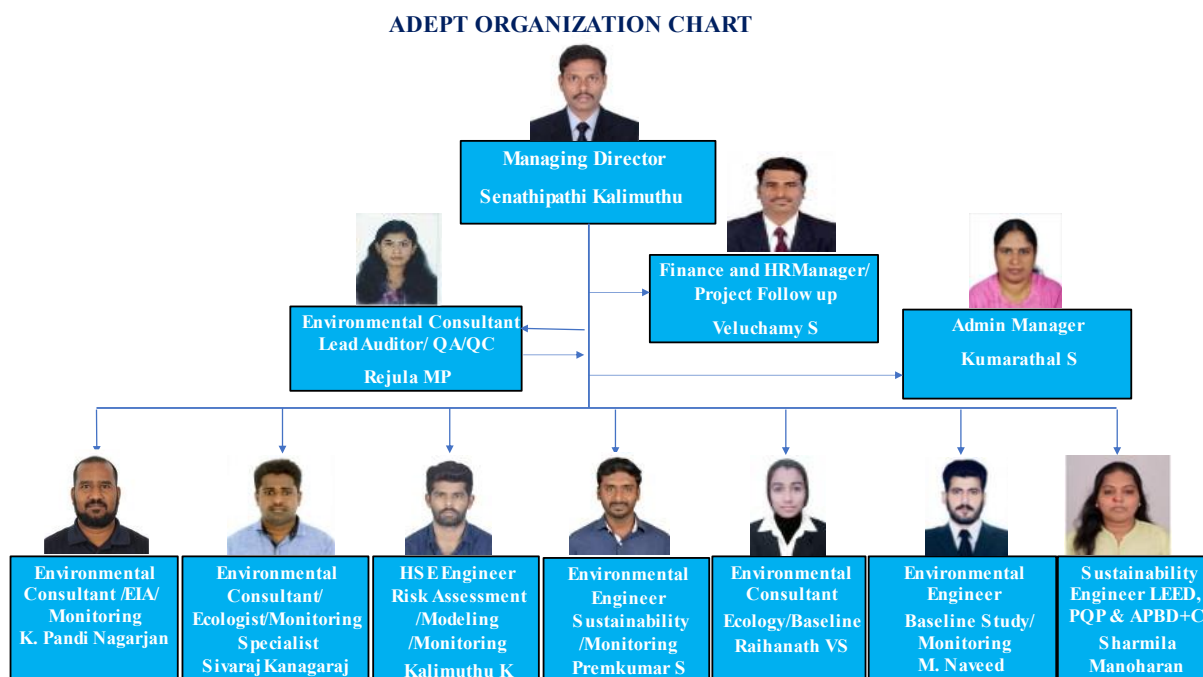
www.veritasassurance.com

ADEPT ORGANIZATION CHART

The Project Team Comprises of following members.

- Senathipathi Kalimuthu (Managing Director / Modeling Studies)
- Sivaraj Kanagaraj (Monitoring/ Environmental Baseline Survey /Ecology)
- Rejula MP (Environmental Consultant (QA&QC /EIA/ Lead Auditor)
- Premkumar (Environmental Engineer (EIA/Environmental Monitoring)
- K Pandi Nagaraj Environmental Consultant (EIA/ Monitoring)
- Raihanath VS (Environmental Consultant (Environmental Baseline Survey /Ecology)
- Kalimuthu Kumarasamy (HSE Engineer /Risk Assessment /Modeling /Monitoring)
- Mohammed Naveed (Environmental Consultant /Monitoring / Baseline Survey)
- Sharmila Manoharan (Sustainability Engr, LEED APBD+C, PQP)
- Veluchamy (General Manager - Finance and HR & Project Follow-up)
- Kumarathal S (Admin Manager)

The project organization chart is shown in below.



CV of the team is provided below.

CV OF OUR PROFESSIONAL STAFFS

SENATHIPATHI KAILIMTHU

Profession: Managing Director / Modelling Specialist (18+ years)



SUMMARY

Mr. Senathipathi is the Managing Director of Adept Environmental Consultancy L.L.C. and he has more than 18 years of experience as an Environmental Regulator and Consultant. Mr. Senathipathi has maintained effective relationship with industrial entities, developers in Abu Dhabi while working with regulatory authority to comply the legal requirements. His expertise includes the following.

- Regulatory review & approval of TOR, EIA & EMP
- Prepare HSEIA, ESIA, EIA, EMP, ERP & HSE plan
- Emission Estimation and Environmental Monitoring
- Proficient in ISO-14001, ISO-45001 MS
- Hydrodynamic, Air & Noise Dispersion Modeling
- Familiarity with local & international regulations (IFC)
- Environment / OSHAD Inspection & Audit
- Incident Investigation as a regulator
- Solid & Hazardous Waste Management
- Site Assessment & Remediation
- Prepare Technical & Commercial proposal
- Project Management & Contract Negotiation

CAREER HISTORY

January 2019 to Till Date

Company Name: **Adept Environmental Consultancy L.L.C. Abu Dhabi, UAE.**

Position : **Manager – Environment, Health and Safety**

Duties and Responsibilities:

- Manage environmental projects, including managing staff and budgets and coordinating activities.
- Direct staff in providing excellent customer service to all external and internal customers.
- Perform hydrodynamic modeling, dredging impact analysis, mud transport modeling, particle transport modeling, advection dispersion and recirculation study, oil spill and drill cutting dispersion modeling.
- Perform air & noise dispersion modeling, emission estimation & engineering calculation for greenhouse gases (GHG) and other criteria pollutants for almost all industrial sectors
- Plan, direct and coordinate, through subordinate level staff; assign projects and programmatic areas of responsibility; review and evaluate work methods and procedures
- Coordinate with industrial clients to achieve compliance and close all non-conformance that they received from regulatory authorities.
- Provide consulting services for selection of pollution control equipment which are economic and energy efficient.
- Analyzing the current practices of contracted clients and identifying points where environmental sustainability improved.
- Attend and participate in professional group meetings; stay abreast of new trends and innovations in the field of environmental services.
- Prepare of Environmental Assessment Studies and Environmental Management Plan (EMP) for various industries.
- Prepare and review Marine and terrestrial ecological survey report.
- Prepare technical and commercial proposal and execution of awarded projects.

- Managing HSE implementation for the awarded industrial facility and ensure legal compliance.
- Conduct periodic inspection and compliance audit for the various industrial facilities for the requirement of OSHAD and EAD.
- Train HSE staff of various contracted companies in terms environmental permit condition, pollution prevention, waste management, emergency management, hazardous material handling and storage.
- Develop & implement HSE (OSHAD) policy, plan and procedures for various industries.

October 2014 to December 2018

Project : **Environment Agency-Abu Dhabi (EAD)), UAE**
Position : **Senior Environmental Scientist**
Company Name: **RTI International**
Project Scope : **Develop Policies, Procedures, Guidelines, Training and Transferring Knowledge; Setting Industrial Specific Standards**

Duties and Responsibilities:

- Reviewed environmental assessment studies (Strategic Environmental Assessment (SEA), Terms of Reference (TOR), Environmental Impact Assessment (EIA), and Preliminary Environmental Review (PER), Environmental Action Plan (EAP), Environmental Management Plans (CEMP, OEMP & DEMP) and Environmental Audit & Monitoring Reports for issuing regulatory Permit.
- Conducted regulatory HSE compliance and enforcement inspection/audit (conducted over 800+ firms /projects) using Inspection and Compliance Tool (ICT) for various industrial and development projects throughout Abu Dhabi Emirates (ICAD I, II, III, Mussafah Industrial Area, KIZAD and western region) to assess compliance with the legal requirements and enforce the in-compliant facilities to compliant.
- Maintained professional relationship between the industrial facility management and EAD for timely closing of all violations and increasing of compliance rate.
- Data and trend analysis to make decision on inspection, compliance and enforcement program.
- Prepare environmental permit conditions, inspection checklist, violations statement and Best Management Practices (BMPs) for various industrial sectors.
- Applied analytic skills to research various types of industrial processes, associated control system design, operation, costs, and environmental regulatory requirements.
- Conducted Hazard Evaluation using RiCHEs (a Data Collection Tool) to rank the risky industrial and commercial facilities in Abu Dhabi Emirate to prioritize and implement Risk Based Inspection.
- Define, investigate, formulate, and execute approaches and solutions to the most complex problems in projects/programs and/or cross-functional problems faced by the organization and its clients.
- Participated in improving the design of the Environmental Theater (ET) which is a new tool introduced by EAD to combine, manage and analyze all environmental mentoring results including air quality, marine water quality to help EAD management to make better decision.
- Investigated of environmental complaints /incidents (such as odor, air quality issues, illegal dumping, etc.,) from public / facility and making sure the closing of issues.
- Reviewed of electronic deliverable data (EDD) which are submitted as part of environmental studies and monitoring reports for the input of Environmental Theater.
- Updated Technical Guidance Document (TGD) and Standard Operating Procedures.
- Mentored Inspections, Compliance and Enforcement Section Staffs of EAD.

February 2014 to October 2014

Company Name: **Hyder Consulting Middle East Limited- Abu Dhabi, UAE.**
Position: **Environmental Consultant**
Project: **STEP Deep (40-80m) Tunnel, Samsung C&T Corporation of South Korea, UAE**
Duties and Responsibilities:

- Revised & implemented Construction Environmental Management Plan for the Deep Tunnel project.
- Conducted environmental inspection and audit to ensure compliance with federal and local regulations. Prepared & submitted periodic environmental audit reports to regulatory authority.
- Monitored air, soil, ecology, noise level, dewatered water, waste and wastewater and advised crew management on corrective actions as and when required.
- Conducted environmental awareness training, liaison with the stock holders and regulatory agencies. Managed environmental contracts (waste management, laboratories & emergency material supplier)
- Ensured proper management of hazardous and waste material in construction site. Guided waste management for elimination, source reduction, segregation, reuse, recycle and minimum disposal.

February 2012 to February 2014

Company Name: **Construtora Norberto Odebrecht, Abu Dhabi, UAE**

Position: **HSSE Engineer**

Duties and Responsibilities:

- Developed and implemented Environment, Health and Safety policies, procedures, construction environmental management plan, OSHAD CoP, Estidama pearl and LEED sustainability requirements.
- Ranked environmental aspects & impacts, risks, implemented objectives & targets, assessed KPIs.
- Participated in preparation project HSE plan, procedure, construction environmental management plan (CEMP), waste management plan (WMP), spill control response plan & indoor air quality plan.
- Obtained required permits from regulatory authority. Prepared & submitted periodic KPI reports.
- Monitored air quality, soil, noise level, dewatering activities and waste management and advice crew management on corrective actions required. Ensured proper management of hazardous and waste material. Implemented waste hierarchy and minimum wastes disposal (<20%).
- Managed environmental contracts (waste management, laboratories and environmental consultancy). Planned and implemented Corporate Social Responsibility (CSR) initiative, sustainability and utilization of renewable energy. Guided purchasing of environmentally sustainable products.
- Developed and implemented project specific workplace monitoring programs for chemical, physical and biological hazards. Identified appropriate control measures required to reduce or eliminate the risk of illness / injury from exposure to occupational health hazards.
- Prepared required HSE training modules and conducted HSE awareness training. Prepared risk assessment, Job Safety Analysis (JSA), incident & accident investigation report; monitored unsafe acts & sub-contractor EHSMS system.

July 2010 to January 2012

Company Name: **Kharafi National, Abu Dhabi, UAE**

Position: **Environmental Engineer**

Duties and Responsibilities:

- Implemented environmental management system (EMS) 14001, construction environmental management plan & OSHAD procedures and plans. Ranked environmental aspects and impacts, implemented objectives and targets. Obtained required permits from regulatory authority.
- Conducted audits to assess the effectiveness of the EMS to identify the required improvements. Managed environmental monitoring including air, soil, noise level, dewatered water and wastewater.
- Managed environmental service contracts (waste management, laboratory analysis, consultancies);
- Prepared and conducted HSE training modules, Incident investigation reports, etc.

September 2006 to June 2010

Company Name: **Alsafa Environmental Technical Services LLC, Muscat, Oman.**

Position : **Environmental Consultant (Air Quality Specialist)**

Duties and Responsibilities:

- Prepared environmental and social impact assessment (ESIA) studies, climate impact assessment (CIA) study, environmental management plan (EMP) and emergency response plan (ERP) for various industries including oil and gas, mining, chemical, petrochemical, infrastructure, tourism, steel, aluminum, and thermal power plants. Conducted environmental baseline studies (EBS).
- Performed air & noise dispersion modeling, emission estimation & engineering calculation for greenhouse gases (GHG) and other criteria pollutants for almost all industrial sectors.
- Planned/managed major contracts and projects in preparation of proposals of significant technical complexity and contract value and execution of awarded projects.
- Performed environmental audit and monitoring (stack emission, air quality, water quality at marine/freshwater, noise level, solid wastes) for various industries.
- Operated and maintained ambient air quality monitoring stations (AAQMS) and prepared AAQMS reports and presentation for Petroleum Development of Oman (PDO) Ministry of Environment and Climate Affairs (MECA), Sultanate of Oman. Ensured proper calibration, quality data collection, data processing, analyzing and reporting as international best practices.
- Conducted assessment of oil contaminated sites and supervised soil cleanup & remediation program. Planned required soil and ground water sample and assured success of remediation.
- Liaison with pollution control boards and other regulatory authorities.

March 2005 to September 2006

Company Name: **Mineral Engineering Services, Bangalore, India.**

Position : **Senior Environmental Chemist**

Duties and Responsibilities:

- Conducted Environmental Baseline Survey, Prepared EIA and EMP for industries and mining companies.
- Conducted ambient air quality and noise monitoring. Performed air dispersion modeling.
- Prepared different maps (land use, drainage, habitat map) using GIS software for the EIA reports.
- Carried out analysis of air, water, food and soil samples for physical, chemical & microbial parameters.
- Liaison with Indian Environmental Authority; Conducted public hearing for mining companies;

April 2004 to March 2005

Company Name: **Vimta Labs Ltd., India.**

Position : **Technical Assistant** (Project: PPN Power Plant, Thirukadaiyur, Tamil Nadu.)

Duties and Responsibilities:

- Ambient air quality monitoring, analysis of water & air samples, stack emission & flue gas monitoring.
- Ensure environmental compliance with local regulations; Liaison with TNPCB.

TRAINING AND CERTIFICATION OBTAINED

- **ISO 14001:2015 Lead Auditor (Environmental Management Systems)** certificate, 3Fold Education Centre, 2021.
- **Marine Mammal Observer** Mitigation Training Certificate of Joint Nature Conservation Committee (JNCC), Intellectual Ocean and Training and Consultancy Services, UK, 2021.
- **ISO 45001:2018 OHSMS Lead Auditor** certificate, BSI India, 2018.
- **Process Hazard Analysis (PHA)** for Team Leader by PrimaTech at Chicago, USA, 2017.
- Air Dispersion Modeling (**AERMOD & CALPUFF**) by Lakes Environmental, 2017.
- OSHA General Industry Safety, EI Group (USA), 2015.
- Hazardous Waste Operations and Emergency Response" (**HAZWOPER**), EI Group (USA), 2015.
- Interpreting Hydrodynamic Modeling for Environmental Regulator by HR Wallingford (UK), 2015.
- **NEBOSH-IGC** International Certificate Safety & Health, Chess Safety Consultancy, UAE, 2013.

- **ISO 14001:2004 Lead Auditor & ISO 9001:2008 Internal Auditor** certificate, TUV Oman, 2011.
- O&M training on **Air Quality Monitoring Station** for the analyzer of CH₄, non CH₄ HC, SO₂, H₂S, NO_x, NH₃, CO, and CO₂ conducted by Thermo Fisher Scientifics at Boston, (USA), 2009.
- **Health, Safety and Environmental procedures & Hydrogen Sulfide awareness and escape procedures** conducted by Petroleum Development Oman (PDO), Sultanate of Oman, 2007.

ANALYTICAL INSTRUMENTS HANDLED

- GC, IC, AAS, UV-visible Spectrophotometer, Flame photometer, Turbidity meter, Flue gas analyzer, pH meter, Conductivity meter, titrimetric, CTD, noise level meter, High Volume Air Sampler and Continuous AAQM station analyzers SO₂, H₂S, NO_x, O₃, NH₃, CO₂, CO, CH₄ and non CH₄ HC.

IT EXPERIENCE

- **Environmental Software:** ISC-AERMOD, CALPUFF, ALOHA, PHA works, CAUSTIC & ArcGIS.
- **Other Software:** Excellent knowledge in MS Office & basic knowledge of C, C++, Java & SQL plus.

EDUCATIONAL QUALIFICATIONS

- **M.Sc. Environmental Sciences** from Bharathiar University, Coimbatore India, 2004.
- **B. Sc. Zoology /Chemistry** from Madurai Kamaraj University, Madurai, India, 2002.
- **Diploma in E. commerce** from CSC Computer software college, Coimbatore, India, 2004.

ENVIRONMENTAL STUDIES WITH Adept Environmental Consultancy L.L.C.

- 2023 – Environmental Baseline Survey (Terrestrial and Marine Ecological Baseline) for Sas AL Nakhl Dredging and Reclamation Project, Abu Dhabi, UAE.
- 2023 - Terrestrial Ecological Survey for Unconventional Oil Field (Block-2) Pilot Project, Buhasa, Abu Dhabi, UAE.
- 2023 – Terrestrial Ecological Survey for Abu Dhabi International Airport (ADIA) Fuel Tank Construction Works, ADNOC Distribution, Abu Dhabi.
- 2023 - Environmental monitoring and Periodic Reporting of Jabel Dhanna Channels Enhancement, Abu Dhabi, UAE.
- 2023 – Environmental Audit for Emirates Nuclear Energy Corporation's Construction and pre-commissioning Environmental Audit, Baraka, Abu Dhabi.
- 2022 – Environmental Audit for Natural History Museum & Centre of Curiosity, Saadiyat Island, Abu Dhabi.
- 2022 - EIA Studies Offshore Disposal Area for Shamal Development–marine works (contract no. 2101-279), Khalifa Port, Abu Dhabi.
- 2022 - CEMP for the Natural History Museum & Centre of Curiosity, Saadiyat Island, Abu Dhabi.
- 2022 - CEMP Audit for the project shamal development–marine works (contract no. 2101-279), Khalifa Port, Abu Dhabi.
- 2022 – CEMP Audit for Saadiyat Ferry Terminal, Al Aliya Ferry Terminal and Raban Ferry Terminal, Abu Dhabi, UAE
- 2022 – OEMP Audit for Al Wathba STP plant and Al Saad STP plant, Abu Dhabi, UAE
- 2022 - CEMP for the project shamal development–marine works (contract no. 2101-279), Khalifa Port, Abu Dhabi.

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- 2022 - CEMP Audit for the project shamal development–marine works (contract no. 2101-279), Khalifa Port, Abu Dhabi.
 - 2022 - CEMP for the project shamal development–marine works (contract no. 2101-279), Khalifa Port, Abu Dhabi.
 - 2022 - OEMP for Al Mafraq Waste Transfer Station
 - 2022 –Oil Spill, Mud Dispersion and Underwater noise dispersion Study, Black-1, Dalma-2 oil Well, Abu Dhabi
 - 2021 – Wastewater dispersion study the HSEIA for Project Wave, ADNOC.
 - 2021 – DEMP for Emirate CMS Power Company for Taweelah A2 Power Station – on going
 - 2021 – DEMP for Al Mirfa Power Company for Madinat Zayed, Al Ain, Baniyas and Umm Al Nar Power Station – on going
 - 2021 – CEMP for Saadiyat Ferry Terminal, Al Aliya Ferry Terminal and Raban Ferry Terminal, Abu Dhabi, UAE
 - 2021 – OEMP for RNZ International FZE, KIZAD, Abu Dhabi, UAE
 - 2021 – CEMP and Coral Relocation Plan for Electrical Cable to Al Yasat Al Sufla Island, Abu Dhabi, UAE
 - 2021 - Terrestrial and Marine Ecological Survey of ADNOC Onshore Concession area.
 - 2021 – OEMP Audit for Ittihad Paper Mill, ICAD III, Abu Dhabi, UAE.
 - 2021 – PER for Electrical Cable to Al Yasat Al Sufla Island, Abu Dhabi, UAE.
 - 2020 – Terrestrial Ecological Survey at Al Houbara Protected Area and Bida Hazza protected area Well Drilling and Gas Exploration Project, Urja Bharat Pte. Limited – Abu Dhabi (UBPL), Abu Dhabi, UAE.
 - 2020 –Tree Assessment Survey (total of 240 hectare), Ba Al Ghaiylam Development Project, Abu Dhabi, UAE.
 - 2020 – Mangrove Tree Assessment Survey at Al Jubail Island Development Project, Abu Dhabi, UAE.
 - 2020 – EIA for Water Supply Pipeline to Al Yasat Al Sufla Island, Abu Dhabi, UAE. Ongoing
 - 2020 – PER for Copper Rod Manufacturing Facility, Ducab Metal LLC, ICAD I, Abu Dhabi, UAE.
 - 2020 – OEMP Audit for AMROC, Al Ain, Abu Dhabi, UAE.
 - 2020 – CEMP for EPC For Early Civil and Site Preparation Works (Package 5 – Onshore Gas Processing Facility, ADNOC) and Impact Assessment of RO Plant, Manayif, Ruwais, Abu Dhabi.
 - 2020 - Marine Environmental Monitoring and Ecological Studies for Taweelah RO Independent Water Project, Huta Hegerfeld Saudia Ltd – Abu Dhabi, UAE. Ongoing
 - 2020 – PER for Fertilizer Plant, RNZ International FZE, Kizad, Abu Dhabi, UAE.
 - 2020 – PER Terrestrial Ecological and Tree Assessment Survey for construction new road linking Sheikh Khalifa Bin Zayed Road (E-84/E- 102) and Al Showaib Roundabout (E-60/E-55), Al Ain, Abu Dhabi, UAE.
 - 2019-HSEIA Screening Report, HAZID, ENVID, OHID for Fender Replacement works, ADNOC Logistics and Services, Abu Dhabi, UAE.
 - 2019-Site Investigation for the BU-332 P-960 Triton Operational Facilities, US Army Corps Engineer, Al Dhafra Airbase, Abu Dhabi, UAE.
 - 2019-CEMP Audit of Hudayriat Island Camp Site Landscaping and Infrastructure Works, Abu Dhabi, UAE.
 - 2019-OEMP Audit for Al Dhafra Paper Mill Company LLC, ICAD III, Abu Dhabi, UAE
 - 2019-OEMP for Al Dhafra Landfill, Al Dahfra, UAE
 - 2019-OEMP for Ittihad Paper Mill, Abu Dhabi, UAE
 - 2019-CEMP and Terrestrial Ecological Plan including Tree Assessment and Relocation Plan for Berary Ain Al Fayda Development, Al Ain, UAE

- 2019-CEMP for Design and Construction of Concrete Ramp for Landing Craft, ADNOC Logistic and Services, Abu Dhabi, UAE
- 2019 – EAP for Al Ghaith Industries, ICAD I, Abu Dhabi, UAE
- 2019 – EAP for Ajmal Steel Tubes and Pipe Industries LLC, ICAD I, Abu Dhabi, UAE
- 2019 – EAP for United Industries, ICAD III, Abu Dhabi, UAE
- 2019 – Environmental Consultancies Star Paper Mills, Abu Dhabi, ICAD II, UAE
- 2019 – EAP for Galva Protec Galvanizing Factory, ICAD II, Abu Dhabi, UAE
- 2019 –Environmental Training United Marble & Granite Factory, ICAD III, Abu Dhabi, UAE
- 2019 –EAP for Penta Global Engineering Company, ICAD III, UAE
- 2019 –Dust and VOC Control Plan for Deco Wood, ICAD I, UAE

DEVELOPMENT AND IMPLEMENTATION OF OSHAD MANAGEMENT SYSTEM

- 2019 – Bin Mansoor Plastic Factory, M-41, Abu Dhabi, UAE
- 2019 – Al Reyad Plastic Factory, ICAD I, Abu Dhabi, UAE
- 2019 – Abu Mansoor Plastic Factory, ICAD I, Abu Dhabi, UAE
- 2019 – Al Hilal Advanced Plastic Factory, ICAD I, Abu Dhabi, UAE

ENVIRONEMNTAL STUDIES REVIEWED FOR ENVIRONMENTAL PERMITTING

- 2018 - EIA of Ramhan 3D Seismic Survey (EIA), Abu Dhabi, UAE
- 2018 - EIA of Alain Hazardous and Medical Waste Incinerator, Abu Dhabi, UAE
- 2018 - EIA of Taweelah IWP Seawater Reverse Osmosis Plant, Taweelah, Abu Dhabi, UAE
- 2017 - EIA of Manayef Residential Complex, Ruwais, Abu Dhabi, UAE
- 2017 - EIA of Al Ghasha 3D Seismic Survey, Abu Dhabi, UAE
- 2016 - EIA Update of EMAL, Kizad, UAE.
- 2015 - EIA of Ducab Aluminium Rod/conductor Plant KIZAD Abu Dhabi, UAE
- 2015 - EIA and TOR of Tacaamol Aromatics Project (ChemaWeyaat), Ruwais, Abu Dhabi, UAE
- 2015 - EIA of Sichem ICAD-3 Project, , Abu Dhabi, UAE
- 2015 - EIA of Emirates Steel (update), Abu Dhabi, UAE
- 2015 - EIA of Fluid Cracking Catalyst Plant (Grace) KIZAD, Abu Dhabi, UAE
- 2015 - EIA of Hail Oil Field Development
- 2014 –EIA of Shaheen Alumina Refinery Project (Revised EIA), Kizad, UAE
- 2014 - EIA of Taweelah Aluminium Extrusion (TALEX), Kizad, UAE
- 2014 - EIA of AD Light Rail Transit/Tram, Abu Dhabi, UAE
- 2014 - EIA of Abu Dhabi Metro Project, Abu Dhabi, UAE
- 2016 - TOR of Madinat Zayed Physical Framework Plan, Abu Dhabi, UAE
- 2015 - PER of Infrastructure Works for New Ghayathi Industrial Area, Abu Dhabi, UAE
- 2015 - Marine Impact and Compensation Report for Mirfa IWPP, Abu Dhabi, UAE
- 2015 - PER of Upgrade Infrastructure at Al Qua'a, Wadi Al Flare and Al Hayer in Al Ain
- 2018 - OEMP Al Dhafra Paper Manufacturing Company LLC, ICAD III, Abu Dhabi, UAE
- 2017 - OEMP Al Taweelah Alumina Refinery and Bauxite Residue Storage Area, Kizad, UAE
- 2015 – OEMP of KIZAD Aluminium Recycling Facility
- 2015 – OEMP of Taweelah ALUMINIUM EXTRUSION COMPANY (TALEX) L.L.C
- 2015 - CEMP of New Abu Dhabi-Dubai Road, UAE
- 2017 - Environmental Monitoring for the Development of the Hail Oil Field

- IGD – E (PHASE-1) - 42” Offshore Pipeline Project
- 2015 - Monitoring and Audit report of Shams 1 Power Plant Madinat Zayed, Abu Dhabi, UAE
- 2015 - Monitoring and audit report of Taweelah Aluminium Extrusion (TALEX), Abu Dhabi, UAE
- 2015 - Monitoring and audit report of Etihad rail project, Western Region, Abu Dhabi, UAE
- 2014 - Yas Island – Mina Zayed 24” Gas Pipeline
- 2015 to 2018 Environmental Action Plan for various industrial sectors.

REGULATORY COMPLAINT INSPECTION CONDUCTED (2014 to 2018)

Major Industrial Facility

- Emirates Steel, Abu Dhabi, UAE
- TAWEELAH ALUMINIUM EXTRUSION COMPANY LLC
- Al Jaber Group Companies
- National Petroleum Construction Company (NPCC)
- Adyard Abu Dhabi L.L.C
- Ali and Sons Marine Engineering Factory L.L.C
- Exceed Group Companies
- Tiger Steel Industries LLC
- Abu Dhabi National Paper Mill
- Jotun Abu Dhabi L.L.C
- National Cement Factory - L L C
- Arabian Cement Industry LLC
- Halliburton Worldwide Limited, Abu Dhabi.
- Abu Dhabi Fertilizer Industries Co. W.L.L
- Crown Paper Mill Ltd. - Abu Dhabi Branch
- Medisal For Pharmaceutical Industries L.L.C
- ETP and STP in Abu Dhabi Emirates
- Readymix and Hot mix Asphalt facilities in Abu Dhabi

Infrastructure and Development Project

- New Abu Dhabi Dubai Road (Development Project)
- Midfield Terminal Building and Car Park Construction (Abu Dhabi AirPort Expansion Project)
- Improvement of Mafraq to Al Ghwaifat Border Post Highway Section
- Al Qana Development Project

LIST ENVIRONMENTAL STUDIES PREPARED FOR REGULATORY APPROVAL

- **Construction Environmental Management Plan (CEMP), STEP Deep Tunnel & Deep Pumping Station (P-01) Project, Abu Dhabi Sewerage Service Company (ADSSC), Abu Dhabi, UAE, 2012-13.**
Involved in **review & update** of CEMP in line with Environmental Agency of Abu Dhabi guidelines
- **HSEIA of ADGAS 8th Power Generation in Das Island, UAE, 2012.**

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- Involved emission estimation, Air and noise dispersion modeling, impact assessment, environmental action plan as per ADNOC code of practices and preparation of HSEIA Report.
- **Construction Environmental Management Plan (CEMP), Saadiyat Island STP-2 Project, Tourism Development Investment Company), Abu Dhabi, UAE, 2011.**
Involved in **review & update** of CEMP in line with Environmental Agency of Abu Dhabi guidelines
 - **EIA of Khartoum Refinery (Expansion) for Khartoum Refinery Company, Sudan, 2010**
Involved in Environmental Baseline Survey and Analysis of waste streams
 - **EIA of Independent Water and Power Plant (IWPP) for Sempcorp Industries Pvt. Ltd (Singapore), at Salalah, Oman, 2009 to 2010.**
Involved in Environmental Baseline survey, Greenhouse gas emission estimation, Air and noise dispersion modeling, impact assessment and preparation of environmental management plan as per IFC, World Bank guideline, Public Consultation, EIA Report preparation
 - **Operational phase EMP and Emergency response plan, Barka II power plant, Oman, 2008.**
Involved in data collection, site investigation, Impact analysis, assessing existing mitigation measures, preparation of Environmental Management Plan, implementation and training
 - **EIA Update of Fertilizer plant for Oman India Fertilizer Company (OMIFCO), Oman, 2007.**
Involved in Environmental Baseline survey including marine survey, Gaseous Emission Estimation, Air dispersion modeling, Impact assessment, Environmental management plan & Report preparation
 - **EIA of Seismic and Exploration activities in BLOCK-A for Sudapak at Malakal, Sudan, 2009.**
Involved in environmental baseline description, Air and noise dispersion modeling, Impact Assessment
 - **EIA of Seismic and Exploration activities in BLOCK-11 for Sudapak, Sudan, 2009.**
Involved in Air & noise dispersion modeling and report preparation
 - **EIA of Seismic and Exploration activities in BLOCK-9 for Sudapak, Sudan, 2009.**
Involved in Air & noise dispersion modeling and report preparation
 - **EIA of Exploratory Drilling in Block-15 at Jabal Aswad for Tethys Oil, Oman, 2007.**
Involved in Air dispersion modeling and GIS Mapping
 - **EIA of Fiber Glass Manufacturing Facility for Gulf Petrochemical Services Co. LLC, Oman, 2009.**
Involved waste stream analysis, air and noise modeling and report preparation
 - **Preliminary EIA of Uyun Limestone Mine for Al Rimal Mining LLC (TATA Group), Oman, 2009.**
Involved in Environmental Baseline survey, Impact assessment, EMP and Report preparation
 - **EIA of Gas Pipeline Construction Project for Gulf Petrochemical Services Co. LLC, Oman, 2008.**
Involved in Environmental Baseline survey, Impact assessment, Quantitative Risk Assessment & EMP
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- **EIA of Gas Pipeline Construction Project for Larson & Turbo Electro Mech., Oman, 2008.**
Involved in Environmental Baseline survey, Impact assessment, EMP and Report preparation
 - **EIA of Block 18 Offshore Exploratory Drilling Project for Reliance Industries Ltd, Oman, 2007.**
Involved in Impact assessment, Environmental management plan & Report preparation. Marine Mammal observatio
 - **EIA of Chrome ore upgradation plant for Gulf Group of Mining Companies, Oman, 2008.**
Involved in Environmental Baseline survey, Impact assessment, EMP and Report preparation
 - **Preliminary EIA of Independent Water and Power Plant at Salalah for General Electricals (GE) USA, Oman, 2008.**
Involved in Environmental Baseline survey and Report preparation
 - **EIA of steel plant at Sohar for Modern Steel Mills LLC, Oman, 2008.**
Involved in Environmental Baseline survey, Air and noise dispersion modeling, Impact assessment, Environmental management plan & Report preparation
 - **EIA of Aluminium Dross recycling plant for Takamul Investment Company, Oman, 2008.**
Involved in Environmental Baseline survey, Air and noise dispersion modeling, Impact assessment, Environmental management plan & Report preparation
 - **EIA of Steel plant at Sur for Zoom developers LLC, Oman, 2008.**
Involved in Environmental Baseline survey, Air and noise dispersion modeling, Impact assessment, Environmental management plan & Report preparation
 - **EIA of Aluminium Billet and Extrusion plant for Takamul Investment Company, Oman, 2007.**
Involved in Environmental Baseline survey, Air and noise dispersion modeling, Impact assessment, Environmental management plan & Report preparation
 - **Construction phase EMP and Site contingency plan, L&T Heavy Engi.LLC, Oman, 2007.**
Involved in data collection, site investigation, analysis of monitoring methodology, plan preparation, implementation and training
 - **EIA of Aluminium plant at Sohar for Future Metals, Oman, 2007.**
Involved in Air dispersion modeling, Impact assessment & Report preparation
 - **EIA of Fly ash processing plant for Advanced Industrial Company LLC, Oman, 2008.**
Involved in Environmental Baseline survey, Air dispersion modeling, Impact assessment, EMP & Report preparation
 - **EIA of Aluminium plant for Gulf Aluminium Rolling Company LLC, Oman, 2007.**
Involved in Air dispersion modeling, GIS Mapping, Impact assessment & Report preparation
 - **EIA of Aluminium plant at Sohar for Zoom Developers India, Oman, 2008.**
Involved in Air dispersion modeling, Impact assessment & Report preparation
 - **EIA of Phosphate mines for Andhra Phosphates, AP, India, 2006.**
Involved in Environmental Baseline survey
 - **EIA of Iron ore mine for Tumkur Minerals, KA, India, 2006.**
Involved in Environmental Baseline survey
 - **EIA for Pandalgudi Limestone Mines, Madras Cements Ltd, TN, India, 2005.**
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Involved in Environmental Baseline survey, GIS Mapping, & Report preparation

→ **EIA for Seethainagar Limestone Mines, Chetnad Cement Corporation Limited, TN, India, 2005.**

Involved in Environmental Baseline survey, GIS Mapping, Public Consultation, Environmental management plan & Report preparation

→ **EIA for Devermalai Limestone Mines, Chetnad Cement Corporation Limited, TN, India, 2005.**

Involved in Environmental Baseline survey, GIS Mapping, Public Consultation, Environmental management plan & Report preparation

LIST OF ENVIRONMENTAL MONITORING AND AUDIT PROJECTS

→ **Ambient Air Quality Monitoring of Mina Al Fahal, Petroleum Development Oman (PDO) and Ministry of Environment and Climate Affairs (MECA), Oman (2009 to 2010)**

- Performed air dispersion modeling based on source emission data to identify ground level concentrations (GLCs) hotspots in order to select appropriate monitoring locations based on air dispersion modeling results.
- Performed calibration of SO₂, H₂S, NO₂, O₃, NH₃, CO₂, CO, CH₄ and non CH₄ HC analyser and ensured quality data throughout the monitoring period in compliance with ISO 17025, USEPA and best available practices
- Ensured quality data collection at a minimum of 90% valid data capture rate per air quality parameter per month.
- Ensured collection of meteorological data at a minimum of 98% valid data capture rate per meteorological parameter per month.
- Ensured collection noise data at a minimum of 90% valid data capture rate per station per month.
- Analysed data, prepared monthly reports and presentation monitoring results to PDO and MECA.
- Determined long-term air pollution trends and the effectiveness of pollution control strategies for Mina Al Fahal refineries, oil tanking and loading terminal activities.
- Presented the monitoring trends to Ministry of Environment and Climate Affairs (MECA), Oman.

→ **Ambient Air Quality Monitoring in response to the emergency complaints from Kuboot village, PDO, Oman (2009)**

- Conducted air dispersion modeling using AERMOD software to identify ground level concentrations (GLCs) hotspots and buffer zone of the complained area to select appropriate location for AAQM.
- Performed calibration of SO₂, H₂S, NO₂, O₃, NH₃, CO₂, CO, CH₄ and non CH₄ HC analyser and ensured quality data throughout the monitoring period in compliance with ISO 17025, USEPA and best available practices.
- Ensured quality data collection at a minimum of 90% valid data capture rate per air quality parameter per month.
- Ensured collection of meteorological data at a minimum of 98% valid data capture rate per meteorological parameter per month.
- Analysed data, prepared AAQM report, presented the findings and recommendations to the PDO for reducing pollution and avoid complaints from local community.

→ **Performance Test Monitoring at Barka II power and desalination plant, Oman, 2009.**

Involved in GT's stack emission monitoring (using US EPA method 5, 6, CTM 13A, 34) including PM, SO₂, NO_x, CO, CO₂ and Hydrocarbons, Noise monitoring, seawater influent and effluent sampling.

→ **Measurement of Ocean physicochemical parameters for Independent Power and Desalination Project at Salalah, SEPCO III, Oman, 2010.**

Involved in deployment of instrument and collection of data such as wave and current data (ADCP), Tide (Tide gauge), Conductivity, and Temperature Dissolved Oxygen (CTD); Analysis of historical data of physicochemical parameters such conductivity, temperature, TSS, sedimentation, tide, wave and current, climate, tsunami, etc.,

→ **Marine Ecological Monitoring during Dredging of Marine Intake and Outfall for Independent Power and Desalination Project at Salalah, SEPCO III, Oman, 2010.**

Monitored marine water quality and ecology (flora and fauna). Ensure that the impact from the dredging activity in compliance with environmental permit conditions.

→ **Marine Mammal Observation (MMO) for Block 18 Offshore seismic and Exploratory Drilling Project for Reliance Industries Ltd, Oman, 2007.**

Monitored and recorded Marine mammal activity and other species (flora and fauna) of concern identified by the project environmental impact assessment during the course of the project. Communicated deviations to company and contractor designated personnel.

→ **Construction phase Environmental Audit and Monitoring at Phase-II Oiltanking Odfjell Terminals & Co LLC, Oman, 2007 to 2008.**

Involved in Environmental audit and monitoring and preparation of audit report

→ **Air Quality monitoring at Modern Steel Mills, Oman, 2009.**

Ambient Air Quality, Stack emission monitoring including PM, SO₂, NO_x, CO, CO₂ and Hydrocarbons and Noise monitoring

→ **Construction phase Health, Safety and Environmental Monitoring and Audit, Sembcorp Salalah Power & Water Company, Oman, 2010.**

Involved in Health, Safety and Environmental audit and monitoring; preparation of audit report

→ **Environmental Audit and Monitoring for Construction and Operation phase at Oman Formaldehyde Chemical Company, Oman, 2007 to 2010.**

Involved in Environmental audit and monitoring and preparation of audit report

→ **Construction phase Env. Audit and Monitoring at Aromatics Oman LLC, Oman, 2008 to 2010.**

Involved in Environmental audit and monitoring and preparation of audit report

→ **Construction phase Environmental Audit and Monitoring at Phase-I Oiltanking Odfjell Terminals & Co LLC, Oman, 2007 to 2008.**

Involved in Environmental audit and monitoring and preparation of audit report

→ **Construction phase Env. Monitoring and Audit, Barka II power plant, Oman, 2007 to 2009.**

Involved in Environmental audit and monitoring and preparation of audit report

→ **Indoor Air Quality Monitoring at Royal Oman Police Forensic Laboratory, Oman, 2007.**

Involved in indoor air sampling and decontamination

LIST OF SITE CONTAMINATION AND REMEDIATION/RESTORATION PROJECT

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- **Contaminated Site Investigation and Remediation Plan for Al Faya Hazardous Waste Storage Facility, Oasis Environmental Solution, Abu Dhabi, UAE. 2020 ongoing.**
Involved in preparation of Action Plan, Site investigation and remediation plan.
 - **Site Investigation Report for the Soil Contamination at Storm Water Basin in Al Dhafra Air Base, Abu Dhabi, UAE. 2020**
Involved in preparation of site investigation plan, Execution of sampling program and Site Investigation Report preparation as per EAD guidelines
Client: U.S. Army Corps of Engineers (USACE)
Contractor: Al Sahraa General Transport & Clearance
 - **Environmental Action Plan and Remediation of Contaminated Site for Al Ghaith Industries LLC, ICAD-I, Abu Dhabi, UAE. 2019**
Involved in preparation of Action Plan, Site investigation and remediation plan.
 - **Environmental Consultancy Services for Bid Bid Oil Contamination Restoration Project, PDO, Oman, 2008.**
Involved in soil, ground and surface water sampling and analysis, impact assessment and advice on restoration activities
 - **TPH Contaminated Soil Remediation/Cleanup Project at Zauliyah 16, Oman 2006 to 2007**
Preparation of project progress report and demobilization plans and management of the demobilization work at site.

SIVARAJ KANAGARAJ M.Sc.,

Profession: Environmental Consultant and Baseline Survey Specialist (8+ years)



Summary

Mr. Sivaraj Kanagaraj is a master degree holder in Environmental Science and having 8 years of experience in the field of Environmental Consultancy and Laboratory. He worked in various environmental baseline monitoring project in India and Abu Dhabi and also, involved in preparing environmental impact assessment studies. He is well experienced in environmental baseline Survey (ambient air, workplace air, water, soil, noise, sediment and groundwater) and ecological Survey. Mr. Sivaraj Kanagaraj is currently working with Adept Environmental Consultancy L.L.C. as an Environmental Consultant to manage environmental projects.

CAREER HISTORY**April 2020 to Till Date**

Company Name: **Adept Environmental Consultancy L.L.C., Abu Dhabi, UAE.**

Position : **Environmental Consultant**

Duties and Responsibilities:

- Prepare daily, weekly, monthly and quarterly environmental inspection, monitoring and performance report as an third party environmental consultant for assigned projects.
- Conduct daily in-situ monitoring (Turbidity, DO, Salinity, pH and Chlorophyll) at dredging and marine activity area to identify marine activity impact on neighbouring environment and to take appropriate corrective and preventive measures.
- Conduct environmental awareness training and toolbox talk to workgroups
- Coordinate environmental campaign and awareness sessions
- Attend weekly and monthly meeting with Project Team and client.
- Perform Turtle Nesting Survey during nesting and hatchling season.
- Marine Fauna Observation as per Guidelines of the JNCC.
- Perform Terrestrial (Assessment of Habitat, Survey of Flora and Fauna) and marine ecological survey (PADI Approved Diver) as per ADNOC and International Biodiversity Guidelines.
- Installation and safe recovery of Sherman Traps, Camera Traps, Pitfall traps and perform nocturnal survey.
- Perform water, groundwater, soil, marine water quality, sediment and marine flora and fauna sampling as per the USEPA and other international procedure.
- Coordinate and perform environmental baseline survey for the development, infrastructure, oil and gas projects.
- Prepare Environmental Baseline Survey and Monitoring Report in line with EAD Technical Guidance Document (TGD) for Environmental Monitoring Report.
- Perform light monitoring in order to assess the impact of marine fauna.
- Conduct Environmental Compliance Audit.
- Construction project site environmental management including implementation of CEMP and EIA requirements.

January 2018 to March 2020

Company Name: **Qualitas Material Testing Laboratories Abu Dhabi (UAE)**

Position : **Environmental Chemist**

Duties and Responsibilities:

- Successfully worked as a part of ENAS Audit ISO17025 on April 2017 & January 2018
- Successfully worked as a part of EIAC (DAC) Audit ISO17025 on September 2019
- An extensive knowledge and hands on experience in performing tests, recording & documenting results.
- Conducted marine water, sediment and benthic infauna sampling, analysis of water samples
- Authorized signature for Environment sector from Ambient Air quality, Indoor Air Quality, Stack Emission Monitoring Different type of Stack & Clean room validation various Hospitals & Clean room areas
- Conducted Clean room validation from various hospitals Like as Differential Pressure, Air Flow, Air Velocity & Air change Rate, Particles Counts, Bacteria Yeast & Mold (Micro Air), Air Flow Visualization, Filter integrity, Temperature & Relative Humidity Test in HEPA, (HEPA- High-efficiency particulate air Filter)
- IAQ and Personnel Air Quality Monitoring performed for ADNOC, various Hospitals & various TOWERS Projects.
- Experienced in Sampling of Clean room Validation, IAQ and AAQ in accordance of ISO14644-3, BSEN 12341:2014 & BSEN 481:1993 and BSEN60079-2:2015 & USEPA & EPA Methodology guidelines basis.
- Prepared and submitted Final reports to client after monitoring, sampling and analysis without failure in time for clean room validation IAQ, noise monitoring, ambient air quality, noise Monitoring, Stack Monitoring and Water Quality Monitoring report as per HAAD, OSHAD and EAD requirements.
- Performed sampling of potable water, waste water, marine water, groundwater, soil and sediment in accordance with APHA Method and USEPA standard.
- Analyzed water samples and handled instrument for pH, Conductivity, Turbidity, Residual free chlorine, Nitrate, Nitrite, Sulphate, organophosphate, silica, Chloride, Total hardness, calcium, magnesium, Total dissolved solids, Total Suspended Solids, COD and Chlorophyll a.
- Developed project objectives and targets, and report to management on progress in attaining them.
- Prepared of Environmental Monitoring Report in line with EAD Technical Guidance Document (TGD) for Environmental Monitoring Report.

INSTRUMENTS EXPERIENCED-AIR

- Air Microbial Sampler-Orum
- Particle counter-TSI
- Air Flow capture Hood-SLG Fly Air
- Aerosol photometer-2i
- Air Movement & Visual-4i
- Gaseous & Tvoc & Formaldehyde-Gray wolf Turnkey iGas
- Particle Mass Monitor – Metone
- Noise Meter-Scarlet tech
- Illuminance-Ex tech
- Temperature & Relative Humidity-Extech
- Respirable dust sampler-Ecotech
- Fine particle sampler-Ecotech
- Gaseous pollutant sampler-Ecotech

- Flue gas Stack monitoring-E-Instrument E8500
- Turnkey iGas for AAQ Gaseous Pollutants-Turnkey
- Automatic Weather station-Ecotech

INSTRUMENTS EXPERIENCED-WATER

- Van Veen Grab Sampler for sediment and benthic in fauna
- Menta 35 A multiparameter analyzer for marine water quality monitoring
- Van Veen sediment grab sampler;
- pH Meter- Martini instruments
- Conductivity Meter – Mi170 bench meter-
- HACH- Lange- DR3900
- Dissolved Oxygen meter
- Turbidity Meter
- Multiparameter analyzer for the seawater quality
- TDS, TSS Apparatus – Rocker300
- Khjeldhal Apparatus – LK100 and LK500
- Distillation Unit

August 2014 to December 2017

Company Name: **ABC Techno Labs India Private Limited, Chennai, India**

Position : **Executive-Environment**

Duties and Responsibilities:

- Supported day to day activities on monitoring at client site related to environmental pollution-Air, Water, Soil and Noise
- Environmental testing like ambient, indoor air quality monitoring, stack, fugitive emission monitoring, meteorological data generation, noise & lux level measurements, water & waste water analysis etc.
- Ensuring environmental legislations and regulatory compliance report preparation. Commercial sample processing and analysis works. Environmental Management report preparation.
- Preparation of Environmental Monitoring Report in lead time, assisting in documentation of EIA / EMP Reports, Analysis of basic ambient air quality parameters in laboratory and to schedule and co-ordinate a team to execute environmental monitoring for various industries.
- Associate Functional area experts to declared sector for Air pollution and prevention control & Ecology and biodiversity for NABET Auditing from 2015.
- Environmental Impact assessment report preparation for form 1a, form 2 & conceptional plan.
- Prepared Environmental Baseline Survey report preparation for EIA.
- Conducted environmental audit and inspection for the industrial and development project.
- To Ambient air quality & stack emission & noise sampling did for various type of industries Ashok Leyland & Chemetall & Nokia & Baxter & L & T Hydril pressure & Tata consultancy services & Reliance & NTPC & Alpa international.
- Conducting Environmental Baseline Study covering all the disciplines of Environment (Soil, water quality & Meteorology & Air Quality & Noise) for KSHIP at Karnataka.
- Hazardous Site Sample collection and survey carried out at TCCL, Ranipet, Vaniyambadi Tanneries, Hindustan Unilever Kodaikanal, Floor – Udyogamandel Industrial area at Kerala,

NMK Lake at Hyderabad, Dying Plants Area at Tirupur & under Kadam Enviro Consultants, Gurgon.

- Environmental Trading Scheme (ETS) for under Central Pollution control board (CPCB) Stack Emission Sampling to did for various type of industries.

INSTRUMENTS EXPERIENCED-AIR

- Respirable Dust Sampler-Envirotech
- Fine Particulate sampler- Envirotech
- Vayubodhan Stack sampler- Envirotech
- Flue gas Analyser-Sigma
- Organic Vapour sampler
- Handy sampler
- Weather meter- Envirotech
- GPS-Garmin
- VOC Meter-sk
- Noise meter-Lutron
- Lux meter-Extech

EDUCATION QUALIFICATION

- M.Sc. Environmental Science from Periyar University, Salem, India 2014
- B.Sc. Botany from Periyar University, Salem, India 2012
- Diploma in Industrial Safety from Annamalai University, Chidambaram, India (2015 – 2016).

TECHNICAL TRAINING UNDERTAKEN

- **Marine Mammal Observer** Mitigation Training Certificate of Joint Nature Conservation Committee (JNCC), Intellectual Ocean and Training and Consultancy Services, UK, 2021.
- **Certified SCUBA Diver** for the assessment of Marine Habitat and Ecology- PADI Approved, Abu Dhabi Diving Centre, 2021

M. Sc Project

Name of the Organization: Periyar University

Project Title: Interaction between cadmium and zinc on the Restoration potential responses of *Portulaca oleracea* Linn stem cutting.

Duration: 6 months.

LIST OF ENVIRONMENTAL STUDIES, REPORT AND PLAN PREPARED IN ABU DHABI

- 2023 – CEMP compliance environmental inspection, marine water in-situ monitoring, Ambient air quality monitoring of Delma Gas Development Project for Arzanah Island, Abu Dhabi, UAE.
- 2023 – Terrestrial Ecological Survey for Abu Dhabi International Airport (ADIA) Fuel Tank Construction Works, ADNOC Distribution, Abu Dhabi.
- 2022 – CEMP compliance environmental inspection, marine water in-situ monitoring, exceedance reporting, underwater noise monitoring and ecological survey of Shamal

Development 2030–Marine Works Project (contract no. 2101-279), Khalifa Port, Abu Dhabi., Abu Dhabi, UAE.

- Checking of project CEMP implementation, Environmental Inspection, Marine Water in-situ monitoring, Water and Sediment sampling and Ecological Survey
- 2021 – CEMP and environmental compliance monitoring and inspection for Saadiyat Ferry Terminal, Al Aliya Ferry Terminal and Raban Ferry Terminal, Abu Dhabi, UAE
- 2021 – CEMP for Saadiyat Ferry Terminal, Al Aliya Ferry Terminal and Raban Ferry Terminal, Abu Dhabi, UAE
- 2021 – Terrestrial and Marine Ecological Survey of ADNOC Onshore Concession area.
- 2021 – Coral Survey for Electrical Cable to Al Yasat Al Sufla Island, Abu Dhabi, UAE
- 2021 – Terrestrial and Marine Ecological survey for the Submarine Electrical Cable to Al Yasat Al Sufla Island, Abu Dhabi, UAE
- 2021 – OEMP for RNZ International FZE, Kizad, Abu Dhabi, UAE.
- 2020 – Terrestrial Ecological Survey at Al Houbara Protected Area and Bida Hazza protected area Well Drilling and Gas Exploration Project, Urja Bharat Pte. Limited – Abu Dhabi (UBPL), Abu Dhabi, UAE.
- 2020 – Terrestrial and Marine Ecological survey for Water Supply Pipeline to Al Yasat Al Sufla Island, Abu Dhabi, UAE.
- 2021 – OEMP Audit for Ittihad Paper Mill, ICAD III, Abu Dhabi, UAE.
- 2020 – OEMP Audit for AMROC, Al Ain, Abu Dhabi, UAE.
- 2020 –Tree Assessment Survey (total of 240 hectare), Ba Al Ghaiylam Development Project, Abu Dhabi, UAE.
- 2020 – Terrestrial Ecological Survey at Al Houbara Protected Area and Bida Hazza protected area Well Drilling and Gas Exploration Project, Urja Bharat Pte. Limited – Abu Dhabi (UBPL), Abu Dhabi, UAE.
- 2020 – Marine Environmental Monitoring and Ecological Studies for Taweelah RO Independent Water Project, Huta Hegerfeld Saudia Ltd – Abu Dhabi, UAE.
- 2020 – PER Fertilizer Plant, RNZ International FZE, Kizad, Abu Dhabi, UAE.

Rejula MP

Profession: Environmental Consultant (10+ years)



Summary

Ms. Rejula MP is a M.Sc Environment Sciences degree holder and having 4 years of working experience in Environmental Consultancy field. Ms. Rejula MP is currently working with Adept Environmental Consultancy L.L.C. as an Environmental Consultant to manage environmental projects. She has an experience in Environmental Studies and Marine Ecology.

CAREER HISTORY

July 2022 to Till Date

Company Name: **Adept Environmental Consultancy L.L.C., Abu Dhabi, UAE.**

Position : **Environmental Consultant**

Duties and Responsibilities:

- Prepare of Environmental Assessment Studies and Environmental Management Plan (EMP).
- Prepare Environmental Baseline Report.
- Coordinate and perform environmental audit and monitoring for the industrial and development projects.
- Perform Terrestrial and marine ecological survey, flora and fauna identification
- Applying technical and scientific knowledge in sampling and assessment of benthic infauna, pelagic, zooplankton, phytoplankton, fish egg and larvae and fisheries biology.
- Perform marine benthic and inter tidal habitat survey and mapping.
- Conduct research on behaviors of marine life in the ocean.
- Prepare Environmental Action and Mitigation Plan.
- Perform Environmental Compliance Audit.
- Prepare Environmental Action Plan, Site Assessment and Remediation.
- Prepare Waste Management Plan and Emergency management Plan.

April 2021 to November 2022.

Organization: GREENLAND ENVIRONMENTAL ENGINEERING CONSULTANTS

Designation: Environmental Engineer (Sales & Marketing).

Responsibilities:

- Business development and attaining monthly sales target in close coordination with Sales Team.
- Maintaining CRM Database and updates.
- Telemarketing and Customer Support.
- Preparation of Waste Reduction Report (WRR) and Waste Reduction Action Plan (WRAP).
- Attend client meetings and technical advice.

2019 to March 2020

Organization: QUALITY REGISTRAR SYSTEMS - Abu Dhabi

Designation: Environmental Engineer (Sales & Marketing).

Responsibilities:

- Business development and attaining monthly sales target in close coordination with Sales Team.
- Maintaining CRM Database and updates.
- Telemarketing and Customer Support.
- Preparation of Waste Reduction Report (WRR) and Waste Reduction Action Plan (WRAP).
- Attend client meetings and technical advice.

KEY SKILLS/SPECIALITIES

- Environmental Impact/ Risk Assessment
- Environmental Management Plan (CEMP, OEMP, DEMP).
- Waste Management: Bolisaty system; Tadweer Rules and Regulations
- Waste Reduction Report, Waste Reduction Action Plan
- Experienced in ISO Certification and OSHAD
- Ecology, Biodiversity, Conservation Biology, Environmental Systems.
- Environmental Chemistry, Analytical Techniques & Instrumentation.
- Environment Management, Environmental Pollution Control.
- Environmental Microbiology - Analysis and Tests
- Water and soil quality analysis.
- Basic Knowledge of Estidama, the Green Building Regulation of Abu Dhabi.
- Environmental Laws, Policies, Information & Communication

IT & COMPUTER PROFICIENCY

- Microsoft Office packages Word, Excel, Power Point, Outlook
- Adobe Work suits

ACADEMIC QUALIFICATION

- Master of Science (Environmental Science and Management) at Mahatma Gandhi University, Kottayam, India, 2008 with 8.05 OGPA.
- Bachelor of Science (Chemistry) at Kannur University, Kannur, India, 2006.

TRAINING AND CERTIFICATION OBTAINED

- **ISO 14001:2015 Lead Auditor (Environmental Management Systems)** certificate, 3Fold Education Centre, 2022.

ENVIRONMENTAL STUDIES WITH Adept Environmental Consultancy L.L.C.

- ➔ 2023 – Environmental Audit for AMMROC, Al Ain, Abu Dhabi.
- ➔ 2023 – Environmental Audit for P1944 HW2 Sports Hotel Site for MODON, Abu Dhabi.
- ➔ 2023 – Environmental Audit for Masdar City Project, Masdar City, Abu Dhabi.
- ➔ 2023 – Environmental Baseline Survey (Terrestrial and Marine Ecological Baseline) for Sas AL Nakhil Dredging and Reclamation Project, Abu Dhabi, UAE.
- ➔ 2023 - Terrestrial Ecological Survey for Unconventional Oil Field (Block-2) Pilot Project, Buhasa, Abu Dhabi, UAE.

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- 2023 – Terrestrial Ecological Survey for Abu Dhabi International Airport (ADIA) Fuel Tank Construction Works, ADNOC Distribution, Abu Dhabi.
 - 2022 – Environmental Audit for Natural History Museum & Centre of Curiosity, Saadiyat Island, Abu Dhabi.
 - 2022 – QC/QC for Marine Environmental Monitoring Report for Saadiyat Ferry Terminal, Al Aliya Ferry Terminal and Raban Ferry Terminal, Abu Dhabi, UAE.
 - 2022 – Environmental Audit for Saadiyat Ferry Terminal, Al Aliya Ferry Terminal and Raban Ferry Terminal, Abu Dhabi, UAE
 - 2022 - EIA Studies Offshore Disposal Area for Shamal Development–marine works (contract no. 2101-279), Khalifa Port, Abu Dhabi.
 - 2022 - CEMP for the Natural History Museum & Centre of Curiosity, Saadiyat Island, Abu Dhabi.
 - 2022 – EAP for Denholm Yam Contracting Company L.L.C, ICAD II, Abu Dhabi.

Kalimuthu Kumarasamy

Profession: Environmental Engineer (3 years)



Summary

Mr. Kalimuthu Kumarasamy is a B. Tech Chemical Engineering degree holder and having 3 years of working experience in Environmental Consultancy field. Mr. Kalimuthu Kumarasamy is currently working with Adept Environmental Consultancy L.L.C. as an Environmental Consultant to manage the environmental projects.

CAREER HISTORY

June 2022 to Till Date

Company Name: **Adept Environmental Consultancy L.L.C., Abu Dhabi, UAE.**

Position : **Environmental Consultant**

Duties and Responsibilities:

and Responsibilities:

- Prepare of Environmental Impact Assessment (EIA) Studies and Environmental Management Plan (EMP).
- Prepare daily, weekly, monthly and quarterly environmental inspection, monitoring and performance report as an third party environmental consultant for assigned projects.
- Prepare project weekly, monthly and quarterly reports.
- Coordinate and perform environmental audit and monitoring for the industrial and development projects.
- Conduct daily in-situ monitoring (Turbidity, DO, Salinity, pH and Chlorophyll) at dredging and marine activity area to identify marine activity impact on neighbouring environment and to take appropriate corrective and preventive measures.
- Perform daily, weekly inspection at construction sites to ensure the compliance in accordance with EAD approved CEMP and permit conditions.
- Prepare Environmental Action and Mitigation Plan.
- Perform Marine Environmental Monitoring (air quality, noise level, water and sediment sampling).
- Quantitative Risk Assessment (QRA) and Consequence Analysis
- Perform air & noise dispersion modeling, emission estimation & engineering calculation for greenhouse gases (GHG) and other criteria pollutants for almost all industrial sectors.

KEY SKILLS/SPECIALITIES

- Environmental Audit
- Environmental Impact Assessment
- Environmental Management Plan.
- Environmental Chemistry, Analytical Techniques & Instrumentation.
- Environment Management, Environmental Pollution Control.
- Environmental Monitoring (in-situ water quality, air and noise quality, marine water, sediment, soil and groundwater sampling).
- Water and soil quality analysis.

IT & COMPUTER PROFICIENCY

- Microsoft Office packages Word, Excel, Power Point, Outlook
- Adobe Work suits

ACADEMIC QUALIFICATION

- B. Tech (Chemical) Engineering at Erode Sengunthar Engineering College, Anna University (Chennai) India, 2021 with 7.13.

TRAINING AND CERTIFICATION OBTAINED

- **ISO 14001:2015 Lead Auditor (Environmental Management Systems)** certificate, 3Fold Education Centre, 2022.
- **ISO 45001:2018 Lead Auditor (Occupational Health and Safety Management Systems)** certificate, 3Fold Education Centre, 2023.

CO-CURRICULAR ACTIVITIES

Workshop:

- Attended Workshop in the topic of “Recent Trends in Nano Technology” in MIT Campus, Anna University, Chennai.

Paper Presentation:

- Presented paper in the topic of “Alternative Fuels” in Chennai Institute of Technology, Chennai.

Internship:

- Attended Internship in Indian Institute of Chemical Engineers in the topic of “Chemical Process Technology”.

LIST OF PROJECT INVOLVED IN ENVIRONMENTAL STUDIES

- 2023 –Asbestos and Terrestrial Ecological Survey for Mirfa 2 Reverse Osmosis Independent Water Project (IWP), Abu Dhabi, UAE.
- 2023 – Marine Environmental Monitoring for Jabel Dhana Channel Enhancement Project, JAN DE NUL Group, Abu Dhabi, UAE
- 2023 – Environmental Baseline Survey for Sas Al Nakhl Dredging and Reclamation Project, Abu Dhabi, UAE.
- 2023 – Environmental Audit for Marine Works at Al Aryam Island, Al Aryam Island, Abu Dhabi, UAE.
- QRA for Eva Global Energy FZC for the Hydrocarbon processing facility and Tanks, Sharjah.
- 2023 – Conducted soil and groundwater sample at Denholm Yam Steel Factory and Site Assessment Studies.
- 2023 - Environmental monitoring and Periodic Reporting of Jabel Dhanna Channels Enhancement, Abu Dhabi, UAE.
- 2023 - Environmental Baseline Survey for West to East Pipeline (WEP) Project, Abu Dhabi
- 2023 – Construction Environmental Management Plan (CEMP) for Water supply to Al Yasat Al Suflah Island, Abu Dhabi, UAE.
- 2023 – Environmental Audit for Emirates Nuclear Energy Corporation’s Construction and pre-commissioning Environmental Audit, Baraka, Abu Dhabi.
- 2023– CEMP compliance environmental inspection, marine water in-situ monitoring, exceedance reporting, underwater noise monitoring and ecological survey of Shamal Development 2030–Marine Works Project (contract no. 2101-279), Khalifa Port, Abu Dhabi, UAE.

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- 2023 - Air Dispersion Modelling Studies for Arabia Recycling Used Tires, Thouban Industrial Area, Masafi, Fujairah, UAE.
 - 2023 - Hydrodynamic Modeling and Sediment Dispersion Modeling, Mega Base Project, Al Masood Oil Industry Supplies and Services Company, ICAD II, Abu Dhabi, UAE
 - 2023 – Hydrodynamic, Flushing and Sediment Dispersion Modeling Studies for Ghantoot Naval Base Runway Project, Abu Dhabi, UAE
 - 2022 – CEMP compliance environmental inspection, marine water in-situ monitoring, water and sediment sampling and ecological survey of Saadiyat Ferry Terminal, Al Aliya Ferry Terminal and Raban Ferry Terminal, Abu Dhabi, UAE.
 - 2022 – Environmental Audit for Natural History Museum & Centre of Curiosity, Saadiyat Island, Abu Dhabi.
 - 2022 – Environmental Audit for Saadiyat Ferry Terminal, Al Aliya Ferry Terminal and Raban Ferry Terminal, Abu Dhabi, UAE.

K. PANDI NAGARJAN

Environmental Engineer/ Monitoring Specialist (8+years)



SUMMARY

Mr. Pandi Nagaraj is master degree holder in Environmental Science and having 8 years of experience in the field of Environmental Consultancy and Laboratory. He worked in various environmental monitoring project in India and Abu Dhabi and also, involved in preparing environmental monitoring report and environmental impact assessment studies. He is well experienced in handling environmental monitoring and sampling equipment for water, soil, sediment, ambient and workplace air, noise, and microbes. He managed several environmental monitoring projects in India and UAE.

CAREER HISTORY

Starting from February 2024

Company Name : Adept Environmental Consultancy LLC

Designation : Environmental Consultant

Duties and Responsibilities

- Conduct Marine Environmental Baseline Survey (seawater in-situ monitoring and ex-situ sampling, sediment sampling, habitat survey, sediment infauna and plankton sampling), Underwater noise monitoring and report preparation.
- Perform in-situ monitoring, marine water and sediment sampling.
- Prepare daily, weekly, monthly environmental reports.
- Prepare Environmental Baseline Report and assist in preparation of Environmental Impact Assessment Studies and Preliminary Environmental Review (PER).

July 2021 to till date*

Company Name : Element Material Technology ME Abu Dhabi

Designation : Environmental Engineer

Duties and Responsibilities

- Managed environmental monitoring projects, including managing field staff; schedule and perform monitoring activities in accordance with client requirements and international best standards.
- Performed in-situ monitoring, marine water and sediment sampling.
- Select monitoring locations appropriate to the monitoring requirements.
- Attend and participate in client meetings; provide technical clarification to client.
- Provided technical clarification to clients on monitoring results when client needed clarification.
- Developed project objectives and targets, and report to management on progress in attaining them.

- Conducted Environmental Monitoring including Ambient Air Quality, Source emission, Noise level, Fugitive emission at different type of industries and oil and gas fields and follow up the safety Procedure and safety Policy in oil and gas site.
- Authorized signature for Environment sector from Ambient Air quality, Indoor Air Quality, Stack Emission Monitoring Different type of Stack.
- Performed sampling of potable water, waste water, marine water, marine sediment, ground water, soil and sediment in accordance with APHA Method and USEPA standard.
- IAQ Monitoring performed for ADNOC, various Hospitals & various TOWERS Projects.
- Prepared and submitted Final reports to client after monitoring, sampling and analysis without failure in time for clean room validation IAQ, noise monitoring, ambient air quality, noise Monitoring, Stack Monitoring and Water Quality Monitoring report as per HAAD, OSHAD and EAD requirements.
- Prepared of Environmental Monitoring Report in line with EAD Technical Guidance Document (TGD) for Environmental Monitoring Report.

May 2021 to July 2021

Company Name : Adept Environmental Consultancy LLC

Designation : Environmental Consultant (Freelancer)

Duties and Responsibilities

- Conducted Marine Environmental Baseline Survey (seawater in-situ monitoring and ex-situ sampling, sediment sampling, habitat survey, sediment infauna and plankton sampling), Underwater noise monitoring and report preparation.
- Performed in-situ monitoring, marine water and sediment sampling.
- Prepared daily, weekly, monthly environmental reports.
- Prepared Environmental Baseline Report and assisted in preparation of Environmental Impact Assessment Studies and Preliminary Environmental Review (PER).

February 2019 to May 2021

Company Name : Qualitas Material Testing Laboratories Abu Dhabi (UAE)

Designation : Environmental Monitoring Specialist

Duties and Responsibilities

- Successfully worked as a part of ENAS Audit ISO17025 on December 2020
- Successfully worked as a part of ENAS Audit ISO17025 on April 2019
- Successfully worked as a part of EIAC (DAC) Audit ISO17025 on September 2019
- An extensive knowledge and hands on experience in performing tests, recording & documenting results.
- Conducting Environmental Monitoring like Ambient Air Quality, Source emission, Noise level, Fugitive emission at different type of industries and oil and gas fields and follow up the safety Procedure and safety Policy in oil and gas site.
- Conducted marine water, sediment and benthic in fauna sampling, analysis of water samples
- Authorized signature for Environment sector from Ambient Air quality, Indoor Air

Quality, Stack Emission Monitoring Different type of Stack & Clean room validation various Hospitals & Clean room areas

- Conducted Clean room validation from various hospitals Like as Differential Pressure, Airflow, Air Velocity & Air change Rate, Particles Counts, Bacteria Yeast & Mold (Micro Air), Airflow Visualization, Filter integrity, Temperature & Relative Humidity Test in HEPA, (HEPA- High- efficiency particulate air Filter)
- IAQ Monitoring performed for ADNOC, various Hospitals & various TOWERS Projects.
- Experienced in Sampling of Cleanroom Validation, IAQ and AAQ in accordance of ISO14644- 3, BSEN 12341:2014 & BSEN 481:1993 and BSEN60079-2:2015 & USEPA & EPA Methodology guidelines basis.
- Prepared and submitted Final reports to client after monitoring, sampling and analysis without failure in time for clean room validation IAQ, noise monitoring, ambient air quality, noise Monitoring, Stack Monitoring and Water Quality Monitoring report as per HAAD, OSHAD and EAD requirements.
- Performed sampling of potable water, waste water, marine water, ground water, soil and sediment in accordance with APHA Method and USEPA standard.
- Analyzed water samples and handled instrument for pH, Conductivity, Turbidity, Residual free chlorine, Nitrate, Nitrite, Sulphate, organophosphate, silica, Chloride, Total hardness, calcium, magnesium, Total dissolved solids, Total Suspended Solids, COD and Chlorophyll-a.
- Developed project objectives and targets, and report to management on progress in attaining them.
- Prepared of Environmental Monitoring Report in line with EAD Technical Guidance Document (TGD) for Environmental Monitoring Report.

June 2015 to February 2019

Company Name : ABC Techno Labs India Private Limited, Chennai, India.

Designation : Environmental Executive

Duties and Responsibilities:

- Supported day to day activities on monitoring at client site related to environmental pollution- Air, Water, Soil and Noise
- Environmental testing like ambient, indoor air quality monitoring, stack, fugitive emission monitoring, meteorological data generation, noise & lux level measurements, water & waste water analysis etc.
- Ensuring environmental legislations and regulatory compliance report preparation. Commercial sample processing and analysis works. Environmental Management report preparation.
- Preparation of Environmental Monitoring Report in lead time, assisting in documentation of EIA / EMP Reports, Analysis of basic ambient air quality parameters in laboratory and to schedule and co- ordinate a team to execute environmental monitoring for various industries.
- Associate Functional area experts to declared sector for Air pollution and prevention control & Ecology and biodiversity for NABET Auditing from 2015.
- Environmental Impact assessment report preparation for form 1a, form 2 & conceptual

plan.

- Prepared Environmental Baseline Survey report preparation for EIA.
- Conducted environmental audit and inspection for the industrial and development project.
- To Ambient air quality & stack emission & noise sampling did for various type of industries Ashok Leyland & Chemetall & Nokia & Baxter & L&T Hydril pressure & Tata consultancy services & Reliance & NTPC & Alpa international.
- Conducting Environmental Baseline Study covering all the disciplines of Environment (Soil, water quality & Meteorology & Air Quality & Noise) for KSHIP at Karnataka.
- Hazardous Site Sample collection and survey carried out at TCCL, Ranipet, Vaniyambadi Tanneries, Hindustan Unilever Kodaikanal, Floor – Udyogamandel Industrial area at Kerala, NMK Lake at Hyderabad, Dying Plants Area at Tirupur & under Kadam Enviro Consultants, Gurgon.
- Environmental Trading Scheme (ETS) for under Central Pollution control board (CPCB) Stack Emission Sampling to did for various types of industries.

EDUCATION QUALIFICATION

- M.Sc. Environmental Science from Periyar University, Salem, India 2014
- B.Sc. Biochemistry from P.K.N arts and science college, Periyar University, Salem, India 2013
- Diploma in Industrial Safety from Annamalai University, Chidambaram, India (2013 – 2014).

AWARDS

- Gold medalist in B.Sc. Biochemistry.
- University 1st Rank in B.Sc.
- Proficiency in major subjects of all semester in B.Sc.
- 100% attended in 2010-2011.
- University 3rd Rank in M.Sc

INSTRUMENTS HANDLED

- Van Veen Grab Sampler for sediment and benthic in fauna
- Menta 35 A, multiparameter analyzer for marine in-situ water quality monitoring
- Niskin water sampler;
- Underwater noise monitoring (Hydrophone)
- Habitat Survey using dropdown video camera
- Plankton Sampling using Plankton net
- Air Microbial Sampler-Orum
- Particle counter-TSI
- Air Flow capture Hood-SLG Fly Air
- Aerosolphotometer-2i
- Air Movement & Visual-4i

- Gaseous &TVOCs & Formaldehyde-Gray wolf Turnkey i Gas
- Particle Mass Monitor –Metone
- Noise Meter-Scarlettech
- Illuminance-Extech
- Temperature & RelativeHumidity-Extech
- Respirable dust sampler-Ecotech
- Fine particle sampler-Ecotech
- Gaseous pollutant sampler-Ecotech
- Flue gas Stack monitoring-E-InstrumentE8500
- Turnkey iGas for AAQ Gaseous Pollutants-Turnkey
- Automatic Weather station-Ecotech

LIST OF ENVIRONMENTAL STUDIES, REPORT AND PLAN PREPARED IN ABU DHABI

- ➔ 2021 – PER for Electrical Cable to Al Yasat Al Sufla Island, Abu Dhabi, UAE.
Marine Baseline Survey (seawater in-situ monitoring and ex-situ sampling, sediment sampling, habitat survey, sediment infauna and plankton sampling), Underwater noise monitoring and report preparation.
- ➔ 2021 – EIA for Water Supply Pipeline to Al Yasat Al Sufla Island, Abu Dhabi, UAE
Marine Baseline Survey (seawater in-situ monitoring and ex-situ sampling, sediment sampling, habitat survey, sediment infauna and plankton sampling), Underwater noise monitoring and report preparation.
- ➔ Environmental Inspection and Monitoring for Taweelah RO Independent Water Project, Huta Hegerfeld Saudia Ltd – Abu Dhabi, UAE, June 2021
Performed in-situ monitoring, Marine water Sampling and Site Inspection. Prepared Weekly, monthly environmental reports.
- Environmental Baseline Study covering all the disciplines of Environment (Soil, water quality & Meteorology & Air Quality & Noise) for KSHIP at Karnataka, 2018.

PREMKUMAR

Profession: Environmental Engineer (10+ years' experience)



SUMMARY

Accomplished & energetic **Environment Engineer** with Ten years of experience as Environmental Consultant in EIA, EMP, Air Dispersion Modelling. He is involved in preparing environmental impact assessment studies, monitoring and audit report. He is well experienced in handling environmental monitoring and sampling equipment for water, soil, sediment, ambient and workplace air, noise, and microbes. He worked construction environmental management of several projects.

CAREER HISTORY

June 2022 to Till Date

Company Name: **Adept Environmental Consultancy L.L.C., Abu Dhabi, UAE.**

Position : **Environmental Consultant**

Duties and Responsibilities:

- Prepare Environmental Impact Assessment (EIA) Studies and Environmental Management Plans (CEMP).
- Planning and executing fieldwork. Conduct regular site inspection to the awarded construction / operation project and prepare daily, weekly, monthly and quarterly or other periodic reports.
- Conduct Site assessment, Soil and groundwater sampling as per the USEPA and other international procedure.
- Coordinate and perform environmental baseline survey for the development, infrastructure, oil and gas projects.
- Conduct daily in-situ monitoring (Turbidity, DO, Salinity, pH and Chlorophyll) at dredging and marine activity area to identify marine activity impact on neighbouring environment and to take appropriate corrective and preventive measures.
- Conduct environmental awareness training and toolbox talk to workgroups
- Coordinate environmental campaign and awareness sessions
- Attend weekly and monthly meeting with Project Team and client.
- Perform Marine Environmental Monitoring (air quality, noise level, water and sediment sampling).
- Prepare Environmental Action Plan and Waste Management Plan.
- Preparing proposals and environmental reports under direction of senior consultant/MD.
- Managing tasks according to scopes of work, and delivering high quality reports on time and within budget.
- Liaison with supplier, client and regulatory authorities.

December 2021 to Till Date

Company Name: **Qualitas Material Testing Laboratories., Abu Dhabi, UAE.**

Position : **Environmental Engineer**

Duties and Responsibilities:

- Collaboration and supervision of environmental monitoring team for conducting Air quality monitoring (Ambient, Indoor and Stationary sources).
- Baseline Data collection to evaluate air, water, marine and land systems to determine the

level of pollutant.

- Prepare, review, or update Environmental Impact Assessment, Environmental Audit reports and Environmental Management Plan.
- Prepare Environmental Monitoring Reports.

December 2014 to Dec 2018

Company Name: **Green Solutions Environmental Services, Sharjah, UAE.**

Position : **Environmental Engineer – Assistant Operations Manager**

Duties and Responsibilities:

- Prepare, review, or update Environmental Impact, Environmental Audit reports.
- Collaborate with environmental scientists, planners, hazardous waste technicians, engineers, and other specialists, and experts in law and business to address environmental problems.
- Develop, implement, and manage plans and programs related to conservation and management of natural resources.
- Baseline Data collection to evaluate air, water, marine and land systems to determine the level of pollutant.
- Environment Monitoring.
- Conduct environmental inspection and preparation daily, weekly and monthly reports.
- Follow-up and presentation with EIA Review Committee for the approval of the report.

Related projects:

Crushers/ Sandstone mining, Lubricant's manufacturing, Oil storage terminal, Oil recycling, Paper recycling, Plastic recycling, Battery recycling, Ready-mix concrete manufacturing, Galvanization industry, Poultry farms etc.,

Notable projects:

Sharafco Petroleum, Petroleum Specialities (APAR Group), TSSC Group, Arabian Gases, Brothers Gas, National Paints, Fireclay Factory, Istanbul Group etc.

August 2013 to Dec 2018 & January 2019 – October 2021

Company Name: **HUBERT ENVIRO CARE SYSTEMS PVT. LTD, Chennai, India.**

Position : **Environmental Engineer**

Duties and Responsibilities:

- Collaborate with environmental scientists, functional area experts, hazardous waste technicians, engineers, and other specialists, and experts in law and business to address environmental problems.
- Prepare, review, or update environmental investigation or recommendation reports.
- Inspect industrial or municipal facilities or programs to evaluate operational effectiveness or ensure compliance with environmental regulations.
- Baseline Data collection to evaluate air, water, and Land systems to determine the level of pollutant.
- Environment Monitoring.
- Identification of potential contaminant sources, critical pathways and receptors that could potentially have an adverse impact on the immediate and wider environment.

- Environmental inspection and preparation daily, weekly and monthly reports.
- Conduct environmental and spill response training to construction work groups.
- Identification, prediction and mitigation of biophysical & social impact of a development project (Environmental Impact Assessment)
- Pre-processing of Metrological data & Conduct Air dispersion Modelling using AERMOD package
- Adequacy study of Municipal Sewage & Industrial effluent treatment plant.
- Liaisoning with Pollution Control Board, SEIAA & MoEF for environmental clearance, CRZ clearance, consent to establish, operate, E waste & hazardous waste authorization.

Notable projects:

Worked as a Team Member – Environmental Impact Assessment for Shasun Pharmaceuticals, Apollo Tyres, Sobha Groups, Bahri Hotels, Anthea Aromatics (Pharmaceuticals), Stelis Biopharma, Indian Molasses Company etc.

Education:

Masters of Technology (M. Tech): Environmental Science & Technology, academic year 2011-2013, Alagappa College of Technology (ACT Campus), Anna University, Chennai, Tamilnadu, India.

LIST OF PROEJCT INVOKED IN ENVIRONEMNTAL STUDIES:

- ➔ 2023 – CEMP compliance environmental inspection, marine water in-situ monitoring, Ambient air quality monitoring of Delma Gas Development Project for al Omairah island, Abu Dhabi, UAE.
- ➔ 2023 – CEMP compliance environmental inspection, marine water in-situ monitoring, Ambient air quality monitoring of Delma Gas Development Project for Arzanah Island, Abu Dhabi, UAE.
- ➔ 2023 – Environmental monitoring and Periodic Reporting of Jabel Dhanna Channels Enhancement, Abu Dhabi, UAE.
- ➔ 2022 to 2023 – CEMP compliance environmental inspection, daily marine water in-situ monitoring, exceedance reporting, underwater noise monitoring and ecological survey of Shamal Development 2030–Marine Works Project (contract no. 2101-279), Khalifa Port, Abu Dhabi, UAE.
- ➔ 2023, Construction Environmental Management Plan (CEMP) Shuweihat Campsite Development Project, Al Dhafra Region, Abu Dhabi, U.A.E by Western Beach General Contracting LLC.
- ➔ 2023, Environmental Action Plan, Arabian Gulf Steel Industry, ICAD II, Abu Dhabi, U.A.E
- ➔ 2023 – Conducted soil sampling and Site Contamination Assessment Studies at Arabian Gulf Industries, Abu Dhabi.
- ➔ 2022 – Conducted soil, groundwater sample and Site Contamination Assessment Studies for Al Ain Power Station, Madinat Zayed Power Station, Baniyas Power Station for DEMP Studies.
- ➔ 2021 to 2023 – CEMP and environmental compliance monitoring and inspection for Saadiyat Ferry Terminal, Al Aliya Ferry Terminal and Raban Ferry Terminal, Abu Dhabi, UAE.

Muhammad Naveed

Profession: Environmental Consultant (7+ years)



Summary

Mr. Muhammad Naveed is a Bachelor degree holder in Environmental Science and having 7 years of experience in the field of environmental monitoring and pest control. He is well experienced in handling environmental monitoring and sampling equipment for water, soil, sediment, ambient air and noise.

CAREER HISTORY**January 2024 to Till Date**

Company Name: **Adept Environmental Consultancy L.L.C., Abu Dhabi, UAE.**

Position : **Environmental Engineer / Environmental Monitoring**

Duties and Responsibilities:

- Perform daily, weekly inspection at construction sites to ensure the compliance in accordance with EAD approved CEMP and permit conditions.
- Conduct daily in-situ monitoring (Turbidity, DO, Salinity, pH and Chlorophyll) at dredging and marine activity area to identify marine activity impact on neighbouring environment and to take appropriate corrective and preventive measures.
- Perform Marine Environmental Monitoring (air quality, noise level, water and sediment sampling).
- Coordinate and perform environmental audit and monitoring for the industrial and development projects.
- Prepare project weekly, monthly and quarterly reports.
- Prepare Environmental Action and Mitigation Plan.

October 26, 2021 to Dec. 2023

Company: **Fourleed Pest Control Services, Abu Dhabi, UAE**

ADQCC Certificate (Reg. No. 409642779 and validation No. 199681239)

Designation: Agriculture Engineer

Job Responsibilities:

- Ensure that the company environmental requirements are fulfilled in the site activities.
- Conduct periodic site inspection and submit report to the client.
- Supervision of technicians and contributing to customer base growth, retention and company profitability.
- Managing day-to-day requirements of the pest control operations team.
- Communicate effectively with customers about what their pest problem is and how to solve it.
- Organizing the IPM/ Annual Plan; inclusive of approved pesticides from MOCCA
- Ensure the resources and team members are efficiently utilized, roles are planned and executed in line with the plans
- Commencement of Health Safety principles along with proper orientation of P.P.E for staff workers.
- Delegating project tasks to operations team members, monitor the completion of the tasks from open to close
- Ensuring that the teams have all the equipment and tools required to execute pest control works.

- Identify invading pests, including rats, termites, snakes, wasps, ants, spiders, mosquitos & bugs.
- Manage the team of site operations technicians

January, 2019 - June, 2021

Environmental Internee, Frontier Works Organization, Mardan, Pakistan

Responsibilities

- Assisted in environmental impact assessments for construction projects.
- Conducted site visits to collect data on flora, fauna, and soil conditions.
- Collaborated with a multidisciplinary team to ensure compliance with environmental regulations.

Jan- 2017 TO June- 2017

PROJECTS: Research Experience as Internee Abdul Wali Khan University Mardan, Pakistan

- Household waste management in Mardan City.
- Estimation of solid waste generation and composition in Sheikh Maltoon Town (SMT) Mardan.
- Examination of existing system of waste management in SMT Mardan.
- Assessment of community needs and identification of possible option for SWM in SMT Mardan.

ACADEMIC PROFILE

- BS Environmental Sciences at Abdul Wali Khan University, Mardan, Pakistan. Session: 2014-2017.

COMPUTER SKILLS

- Office Automation (Divine Education Academy, BTE-2018)
- MS Office (MS Word, MS Excel, Power point)
- Window Operating System

LIST OF ENVIRONMENTAL STUDIES, AUDIT, REPORT AND PLAN PREPARED IN ABU DHABI

- ➔ 2024 – Environmental Baseline Survey for Yas Bay Beach, Yas Island, Abu Dhabi, UAE.
- ➔ 2024 – Marine Environmental Monitoring for Jabel Dhana Channel Enhancement Project, JAN DE NUL Group, Abu Dhabi, UAE.

RAIHANATH V S

Profession: Environmental Consultant (Ecologist) (4+ years)



SUMMARY

Ms. Raihanath is a Masters in Marine Biology and having 4 years of working experience in Environmental Consulting and Research Field. Ms. Raihanath worked on various Environmental projects for the marine ecological survey, sampling and assessment. She is currently working with Adept Environmental Consultancy L.L.C. as an Environmental Consultant to manage environmental projects.

CAREER HISTORY

December 2023 to Till Date

Company Name : **Adept Environmental Consultancy LLC, Abu Dhabi, UAE.**

Position : **Environmental Consultant (Ecologist)**

Duties and Responsibilities:

- Collecting water, sediment and biological samples at sea.
- Applying technical and scientific knowledge in sampling and assessment of benthic infauna, pelagic, zooplankton, phytoplankton, fish egg and larvae and fisheries biology.
- Conduct Habitat, mangrove and avifauna survey
- Preserve specimens and samples of known and unknown species.
- Ability to carry out aquatic ecosystem health assessments for environmental monitoring projects.
- Conduct research on behaviors of marine life in the ocean.
- Marine benthic and inter tidal habitat survey and mapping.
- Prepare habitat compensation and implementation plan (mangrove, seagrass and coral).
- Conduct terrestrial ecological survey and assess impact from anthropogenic activity
- Carrying out environmental impact assessments evaluating the likely environmental impacts of a proposed project or development, including hydrodynamic modeling, sediment transport modeling, oil dispersion modeling and thermal dispersion modeling.
- Planning and executing fieldwork.

May 2023 to Oct 2023

Company Name : Fisheries Department, Thrissur, Government of Kerala, India

Position : Marine Biologist

Duties and Responsibilities:

- Marine fish catch assessment survey and fisheries development.
- Taxonomical studies on fishes.
- Handled specimens and conducted test according to established protocol, keeping efficient records on all experiments.
- Aquaculture harvest and environmental data collection.
- Testing water quality parameters.
- Data sorting, presentation deliveries awareness Campaigns and Reporting.
- Statistical analysis.
- Monitored and recorded animal health observation.
- Aquatic life maintenance and aquarium set-up.

Mar 2021 to Mar 2022

Company Name : Suryamitra Exim Private Ltd, Andhra Pradesh, India

Position : Quality Control Inspector

Duties and Responsibilities:

- Monitoring of Microbiology, Antibiotic lab and ensure proper work.
- Drafts and implements policies and procedures to improve the manufacturing process and the quality of goods produced.
- Planning, leading and implementing quality assurance programs.
- Conducts audits and inspections.
- Drafts and maintains logs, records, and other documentation of testing procedures, methodologies and criteria.

Nov 2019 to Mar 202

Company Name : CSIR- National Institute of Oceanography, Kochi, India

Position : Marine Biology Research Assistant

Duties and Responsibilities:

- Off shore sampling of onboard marine vessels and taxonomy of marine flora and fauna.
- Develop and conduct research on the relationships of organisms in the marine environment.
- Analyze the effect of human activity on marine ecosystems
- Management of marine ecology
- Use of instruments such as Van-Veen Grab, Niskin sampler, CTD, and plankton net.
- Chemical and biological analysis of samples.
- Giving talks and presentations at museums and educational institutions to educate the public about marine life.

Feb-2019 to Oct 2019

Company Name : CSIR- National Institute of Oceanography, Kochi, India

Position : Marine Biology Intern

Duties and Responsibilities:

- Sorting and identification of marine organisms.
- Study on community composition and size spectra of macrofauna.
- Study on benthic organisms using CellSens Standard Software.
- Data processing and analysis.
- Microscopic examination of Polychaetes.
- Data processing and analysis.

EDUCATION

M.Sc. Marine Biology 2018-2020, Kerala University of Fisheries and Ocean Studies -Kerala.

Project in UAE

- 2024 – Environmental Baseline Survey for Yas Bay Beach, Yas Island, Abu Dhabi, UAE.
- 2024 - Marine Ecological Survey (Habitat, benthic infauna, phytoplankton, zooplankton and fish egg and larvae survey) for Operation of Taweelah RO Independent Water Project.

SHARMILA MANOHARAN

Profession: Sustainability Engr, LEED APBD+C, PQP (11+ years' experience)



SUMMARY

Sharmila Manoharan a dynamic and self-motivated professional with 11 years of rich experience in Sustainability field. Consistently works to achieve highest professional standards and thrives when working as part of a cohesive team to deliver projects that yield multiple business benefits. An effective communicator with good presentation skill and good team player. Ability to undertake first-pass desktop analysis of LEED/Estidama credit implications for proposed design alterations. Experience of presenting Environmental and Sustainability topics to non-expert audiences.

CAREER HISTORY

January 2019 to Till Date

Company Name: **Adept Environmental Consultancy L.L.C., Abu Dhabi, UAE.**

Position : **Sustainability Engr (Free Lancer)**

Duties and Responsibilities:

- Prepare green building certification worksheets, lists of standards, product recommendations, and other pre-construction items.
- Track all design submittals, design and construction documentation
- Respond to requests for additional information or advice regarding certification requirements
- Perform and/or manage building energy modeling
- Review construction documents for compliance with certification
- Submitting necessary monthly/weekly reports / presentations, etc. to client as per the specifications
- Documentation process as well as project specifications, calculations, plans and submittals for leed/estidama/ compliance;
- Coordinate with/support contractors including mep/civil engineers;
- Conduct product and technology research related to sustainability;
- Deliver Sustainability based Project Administration from Design to Construction
- Produce complex Energy models and detailed assessment reports.
- Taking proactive role in influencing the design of the buildings in relation to efficient services integration and building energy performance.
- Ensure milestones are accomplished and deliverables are on time
- Worked competently on an independent basis
- Worked closely with the project design teams to evaluate and recommend sustainable solutions
- Review of material submittals and method statements to ensure compliance with specifications, targeted credits under Estidama Green Building Regulation, Barjeel Regulation and environmental best practice.
- Ability to write high quality well-structured reports

August 2016 to September 2017

Designation: Sustainability Engineer

Company: Platinum Sustainability Development International, Masdar City, Abu Dhabi

Company Profile: Platinum Sustainable Development International (PSDI) is a leading provider of Sustainable Development consultancy in Middle-East and North Africa. PSDI is a part of Platinum Corporation, a multinational conglomerate, head quartered in UAE, having a diverse business interests in over 18 countries over the past 40 years. PSDI a provider of sustainability and technology consultancy services focusing on the tangible benefits of green. Incorporated with Masdar City, Abu Dhabi and Enpark Dubai, PSDI offers a host of specialized services to leading developers, consultants, architects, contractors, project managers etc. Our goal is to provide cost-effective and innovative strategies and design that will reduce carbon footprint and also makes economic sense. Our vast experience in Green buildings and Sustainability consultancy with extensive hands-on experience in the region makes our firm an indispensable Green Partner.

Projects Handled:

1. GASOS Office project, ICAD III, Abudhabi under Estefana Pearl 1 Construction Rating
2. Al Salam Living City –Warehouse Project, Abudhabi under Pearl 1 Constrction Rating
3. Saadiyat Rotana Hotel & Resort, Abudhabi under Estidama Pearl 2 Construction Rating
4. Rixos Hotel, Abudhabi, under Estidama Pearl 2 Design rating. Certified
5. Emirates Post, Abudhabi, under Estidama Pearl 2 Design Rating
6. Shining Star International School, under Estidama Pearl 1 Construction Rating.
7. Abudhabi International School, Estidama Pearl 1 Construction rating. Certified.
8. Majlis-17 Buildings, Al Ain, under Estidama Pearl 2 Design Rating. Certified.
9. Canal tower, Abudhabi under Estidama Pearl 1 Design Rating.
10. Globe Tower, Abudhabi under Estidama Pearl 1 Design Rating.
11. Al Eshoush Labour Camp under Estidama Pearl 1 Design Rating.
12. Al Salaam Day Surgery Centre Hospital Project under Estidama Pearl 1 Construction Rating.
13. iPlast Induatries, ICAD, Abudhabi under Estidama Pearl 1 Construction Rating
14. NEXCON central store, Baniyas, Abudhabi under Estidama Pearl 2 Construction Rating

Responsibilities:

- Implementation of the Estidama credits on projects during design and construction phases.
- Monitoring and day-to-day management of the construction-stage implementation of Estidama, LEED and the Client sustainability objectives.
- Review of material submittals and method statements to ensure compliance with specifications, targeted credits under Estidama and LEED, and environmental best practice.
- Reporting of any non-compliance with targeted credits under Estidama and LEED, or environmental concerns of a serious nature, to the Client.

- Preparing Feasibility report for the projects based on LEED/Estidama Credits.
- Active participation in the Estidama integrated development process, all Estidama and LEED meetings, projects audits, and environmental coordination meetings.
- Management of the project's environmental and sustainability record keeping, Estidama and LEED construction-stage documentation (in appropriate folders).
- Review of all Operation and Maintenance Manuals, sustainability communication and operational staff training requirements to ensure they are appropriate for the project and adequate to meet the targeted Estidama and LEED credits.
- Coordination and assistance with the project team members to collate and document construction compliance with the targeted credits under Estidama & LEED, reporting progress on a weekly basis, and noting any deviations by the contractors from the agreed strategy.

May 2014 – June 2016

Company Name: IMCC Management Consulting Company, Abudhabi

Designation: Sustainability Specialist

Company Profile: iMCC are predominantly a Project Management, Commercial Management and Sustainability Consulting company established by a team of highly qualified professionals. Providing Project Management services gives iMCC the maximum opportunity to positively influence the outcome of a client's project by applying experience and knowledge from the earliest stages of the project through a team of professionals experienced in all aspects of the construction industry. iMCC is also dedicated to providing sustainability solutions in the built environment. To meet these challenges, we are concentrating on advanced sustainability planning, development and integration. We intend to be a leader, not a follower, in setting the standard for all sustainable development in the region.

Projects Handled:

1. AL Forsan Conrad Hotel, Abudhabi Certified Under Gold Rating USGBC LEED New Construction.
2. RLCC Tower, Abudhabi Certified under Silver Rating USGBC LEED New Construction
3. RASGAS Headquarters, Doha Qatar, under Silver Rating certification LEED EBOM.
4. EM HIDRO Warehouse and Office building. Kizad Abudhabi certified under Estidama Pearl 1 Design Rating.
5. BAUER Assembling, Repair and Maintenance Yard, Estidama Pearl1 design rating under certification.
6. Etisalat Data Center Phase I & II , Construction Rating Pearl 1 under Estidama.
7. Al Raha residential Building, Design Rating Pearl 1 under Estidama.

Responsibilities:

- Implementation of the Estidama credits on projects during design and construction phases.
- Monitoring and day-to-day management of the construction-stage implementation of Estidama, LEED and the Client sustainability objectives.
- Review of material submittals and method statements to ensure compliance with specifications, targeted credits under Estidama and LEED, and environmental best practice.
- Reporting of any non-compliance with targeted credits under Estidama and LEED, or environmental concerns of a serious nature, to the Client.

- Preparing Feasibility report for the projects based on LEED/Estidama Credits.
- Active participation in the Estidama integrated development process, all Estidama and LEED meetings, projects audits, and environmental coordination meetings.
- Management of the project's environmental and sustainability record keeping, Estidama and LEED construction-stage documentation (in appropriate folders).
- Review of all Operation and Maintenance Manuals, sustainability communication and operational staff training requirements to ensure they are appropriate for the project and adequate to meet the targeted Estidama and LEED credits.
- Coordination and assistance with the project team members to collate and document construction compliance with the targeted credits under Estidama and LEED, reporting progress on a weekly basis, and noting any deviations by the contractors from the agreed strategy.

February 2012 to – April 2014

Company Name: ETA M&E Division, Abudhabi

Designation: Sustainability Coordinator

Company Profile: The Mechanical & Electrical division (M&E) of ETA ASCON-STAR GROUP has been a forerunner in the field of electromechanical contracting in the UAE. The division offers a wide range of services such as design, supply and installation of Air conditioning, Electrical, Sanitary, plumbing, Fire Protection, ELv & BMS System etc.

1. Client: ALDAR

Project description: The Cleveland Clinic Abu Dhabi is a multi-specialty medical center located in Abu Dhabi, UAE. These 364 (expandable to 490) beds facility will be an extension of the Cleveland Clinic model of care, offering a range of tertiary/ quaternary medical services. After completion, Cleveland Clinic Abu Dhabi will be one of the largest medical centers in the middle east.

Responsibilities:

- Perform site inspections of Erosion & Sedimentation control measures and Indoor Air Quality Control Measures. Issue weekly reports and include corrective actions required to summarize the status of the project
- Maintain all LEED® related logs and tracking documents (Waste Management, IAQ, ESC, Recycled Content)
- Monitor field work to ensure that all measures, plans and processes are being followed on site and are in accordance with the requirements of the LEED® rating system
- Arrange and attend project meetings to explain LEED® requirements to the project team and Subcontractors.
- Achieve project closeout and targeted LEED® certification with quality and as per schedule

2. Client: ETISALAT, Abu Dhabi

Project description: The project is the construction of a new service block and associated works for existing data center of Etisalat as a part of its expansion at Fujairah. The project consists of the complete MEP & civil works. The scope of work includes Supply, Installation and Commissioning

of 2 Chillers of 380 Tonnes each, 2 Generators of 1500 KVA, 12 nos. of Close Control AC units, 3 AHUs of 7.5 KW, 1 FAHU of 42.5 KW and all related MEP works.

Responsibilities:

- Coordinate Construction Audit Process in relation to implementing the PRS Building Rating System
- Coordinate meetings with the UPC and the construction team and ensure handover from Design PQP aligns with the Integrated Design Process.
- Update Integrated Development Processes and Organisational Chart as necessary.
- Assist and lead the construction team to ensure appropriate Pearl Rating is targeted and sustainability principals are carried over to construction
- Provide the administrative support required to collect, interpret and organize all supporting documentation
- Manage Queries between the construction team and Estidama, including the submitting of Credit Clarification Requests as appropriate.
- Ensure technical quality control on documentation submitted for assessment, including calculations, drawings and specifications.
- Lead the resubmission process following any review comments issued by Estidama.

EDUCATION AND CERTIFICATION

- M.E - Industrial Safety Engineering, 2007 passed out, Mepco Schlenk Engineering College affiliated with Anna University, Chennai.
- LEED AP, BD+C USGBC ESTIDAMA PQP, UPC
- PMP (In progress)

PROFESSIONAL SKILLS

- MICROSOFT Office
- AutoCAD
- Equest – Energy Modelling Software
- IESVE – Energy Modelling Software

CORE STRENGTHS

- Understanding of Estidama, LEED, Green Building Regulation, Barjeel Requirements
- Ability to accept a high degree of responsibility combined with ability to work independently.
- Detailed sustainable design knowledge and practical experience
- Ability to undertake first-pass desktop analysis of LEED/Estidama credit implications for proposed design alterations
- Experience of presenting environmental and sustainability topics to non-expert audiences.

VELUCHAMY.S MCA.,

Profession: Environmental Support and Finance Management (11+ years)



Summary

Mr. Veluchamy S is a master degree holder in Master of Computer Application (MCA) and having 11 years of experience in the field of environmental monitoring and finance management. He worked in various Environmental monitoring project. Mr. Veluchamy S is currently working with Adept Environmental Consultancy L.L.C. as an Environmental Support and Finance management.

CAREER HISTORY

January 2020 to Till Date

Company Name: **Adept Environmental Consultancy L.L.C., Abu Dhabi, UAE.**

Position : **Environmental Support and Finance**

Duties and Responsibilities:

- Prepare Technical and Financial Proposal for the project.
- Supervise and maintain financial and administrative records and monitoring systems to record and reconcile expenditures, balances, payments, statements and other data for day-to-day transactions and reports
- Administrative support to the management programme including administration of budgets/AWPs
- Assist the head of the field office, in administration and finance matters to ensure an effective management of the financial resources
- Active support to resource mobilization, partnerships and networking issues
- Facilitation of information flow, coordination of schedule and other logistic arrangements
- Lead the preparation and organization of meetings, workshops, seminars, outreach activities etc
- Ensure payables are managed smoothly and efficiently
- Maintain inventory of office supplies and own re-ordering processes.

TEACHING EXPERIENCE:

June 2009 to December 2019

Company Name: **Arungarai Amman College of Arts and Science at Chinnadharapuram and Maharani Arts and Science College at Dharapuram**

Position: **Assistant Professor and HOD of IT Department**

Duties and Responsibilities:

- Handling UG and PG papers of B.C.A., B.Sc(IT)., B.Sc(CS)., and M.Sc(CS).,
- Developing university practical programs and supporting in lab sessions.
- Handling student management activities like maintaining student's personal profiles, overall performance statements, and communication with their parents and counseling.

EDUCATION QUALIFICATION

- Master of Computer Application (MCA) Anna University, Chennai, India 2009.
- Bachelor of Computer Application (BCA) at Madurai Kamaraj University, Madurai, India 2006.

TECHNICAL SKILLS:

Languages : C, C++ and JAVA 1.5
Operating Systems : Windows 2010/XP

DBMS : MS-Access, SQL, MYSQL,
Web Technologies : HTML
GUI Programming : Visual Basic 6.0, VB.Net, ASP.Net
Environmental Software: Tally ERP 9, ArcGIS, QGIS and Google Earth.