



CONTROLBITES
SAFETY CONSULTING LLP

Sustainable & Innovative
Engineering Solutions

CONTROLBITES SAFETY CONSULTING LLP

COMPANY PROFILE

Website

www.controlbites.com

LinkedIn :

<https://www.linkedin.com/company/controlbites-safety-consulting-llp/>

Address

Bengaluru, Karnataka, India

+91 80 49581027

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information@controlbites.com



INTRODUCTION

ABOUT US



Sustainable & Innovative Engineering Solutions

We are a team of experienced engineering consultants who provide top-notch services to our clients.

Our expertise includes the complete gamut of Engineering Services (process, mechanical, piping, civil & structural, electrical, instrumentation, and telecom), as well as Project Management Consultancy, Project Management Services, Supply Chain Management, and Construction Support Services.

We are committed to delivering innovative and practical solutions tailored to your needs.

Our extensive knowledge and state-of-the-art tools and techniques enable us to help you achieve your business goals and drive growth.

Contact us today to learn more about our services and how we can assist you.

COMPANY

HSE POLICY



Sustainable & Innovative Engineering Solutions

At Controlbites, we are committed to protecting the health, safety and environment (HSE) of our employees, clients, contractors, and the communities in which we operate.

Our Commitments:

- Comply with all applicable health, safety, environmental, and legal requirements.
- Provide safe and healthy working conditions for all personnel.
- Prevent incidents, injuries, and occupational illnesses through proactive risk management.
- Protect the environment by minimizing waste, emissions, and resource consumption.
- Ensure security of personnel, assets, and information.
- Promote a culture of safety awareness, accountability, and continuous improvement.
- This policy is communicated to all employees and stakeholders, and its effectiveness is periodically reviewed by management.

A handwritten signature in blue ink, appearing to read 'K.S.Srinivasan'.

K.S.Srinivasan
(Founder & CEO)

COMPANY QUALITY STATEMENT



Sustainable & Innovative Engineering Solutions

QUALITY STATEMENT

We are committed to delivering high-quality engineering solutions by leveraging advanced technologies and exceeding customer expectations in quality, safety, and timely completion. We believe in continuous improvement through effective leadership, teamwork, and close coordination with all stakeholders. Our goal is to maintain our position as the preferred global engineering service provider with a proven track record.

QUALITY OBJECTIVES

- Continuously develop the core competencies of all our employees through awareness, teamwork, and training.
- Ensure adherence to international safety standards and promote safe practices.
- Adopt innovative methods and practices to enhance customer satisfaction and add value.
- Continuously engage with stakeholders to ensure the delivery of quality services.
- Monitor progress closely to ensure timely completion of projects.

COMPANY QUALITY STATEMENT



Sustainable & Innovative Engineering Solutions

VISION

To become the leading engineering and consultancy company by delivering innovative solutions with a competitive edge, while maintaining the highest standards of quality through the implementation of best engineering practices.

MISSION

To provide cutting-edge engineering solutions that drive efficiency and productivity, empowering businesses with the tools they need to thrive in a competitive landscape.

A handwritten signature in blue ink, appearing to read 'K.S. Srinivasan'.

K.S.Srinivasan
(Founder & CEO)

A handwritten signature in blue ink, appearing to read 'Hema G. Srinivasan'.

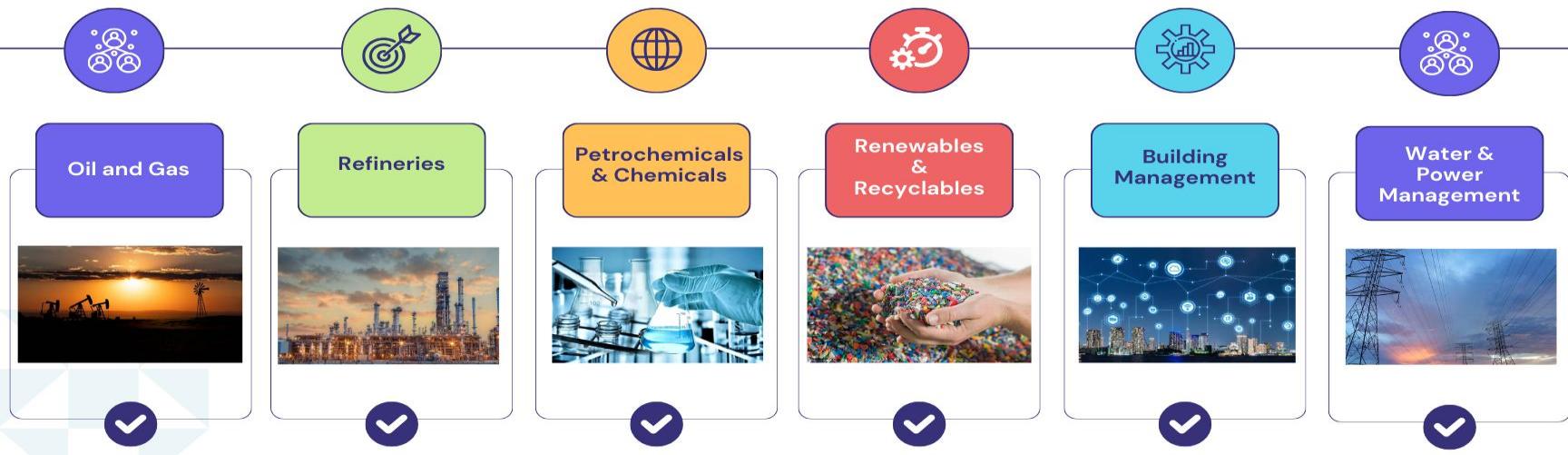
Hema G. Srinivasan
(COO)

CORE SECTORS



Sustainable & Innovative Engineering Solutions

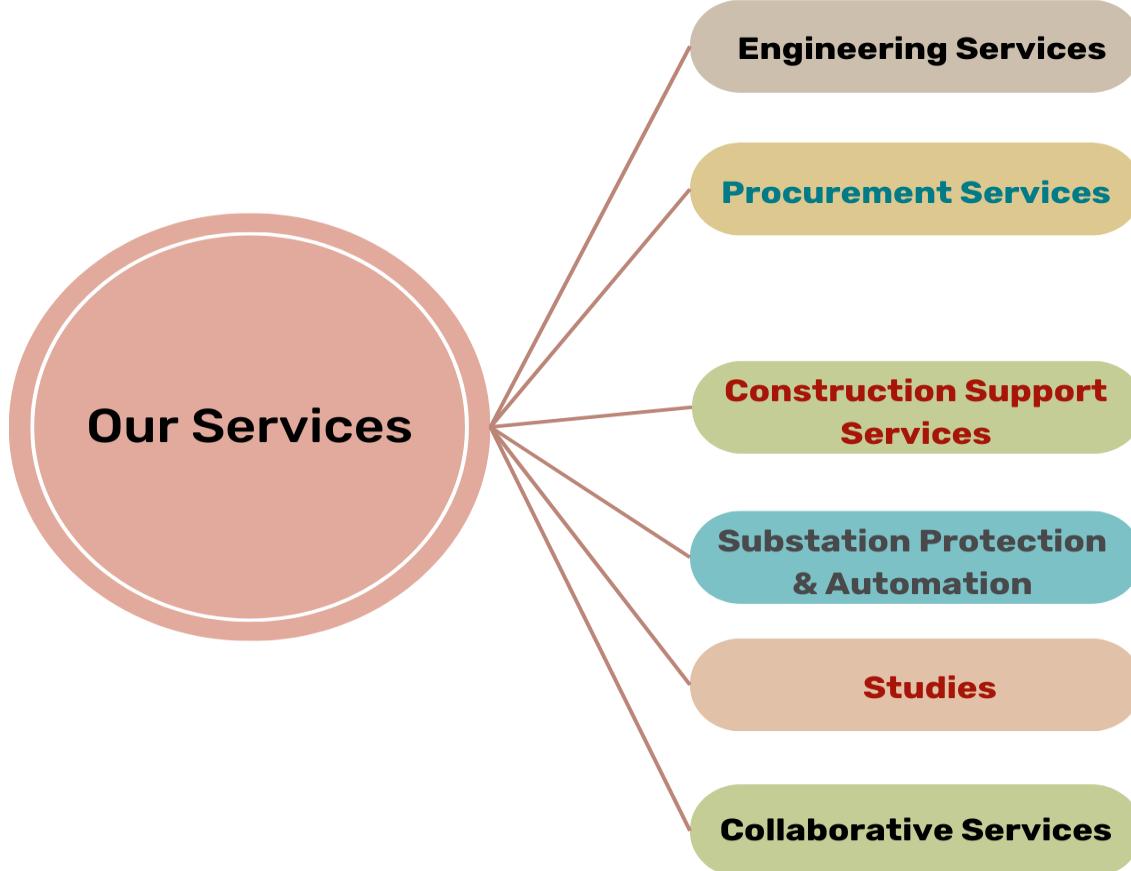
Our Core Sectors



SERVICES



Sustainable & Innovative Engineering Solutions



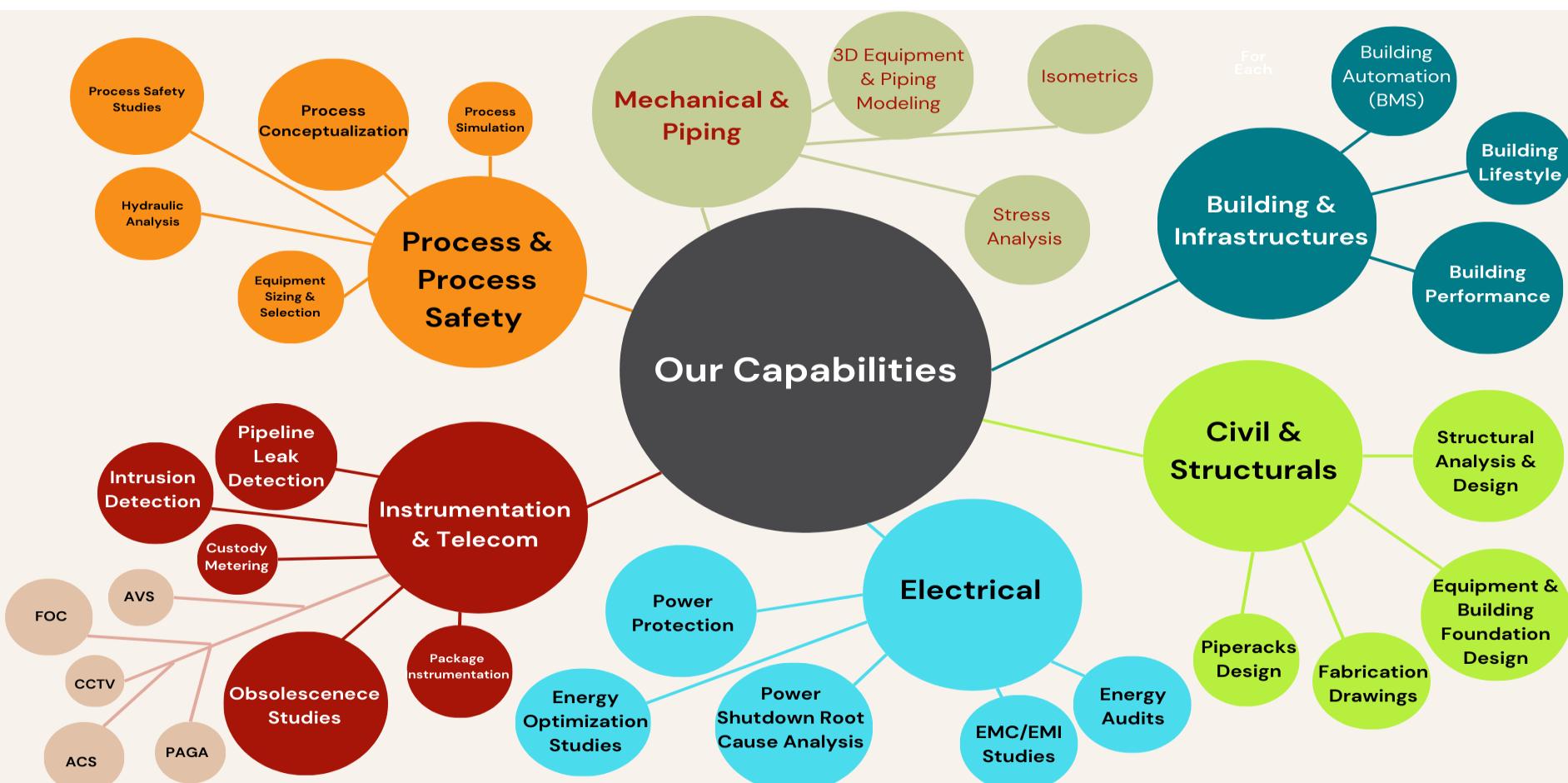
- Conceptual/FEED/Detail design
- Sizing & Calculations
- Project Execution
- Project Management Consultancy
- RFQ, TBE & Request for PO
- Secure Handling of Proprietary Technology & IP
- Supply Chain Management
- Inspection and Testing
- Vendor Documents Review & Approval
- Construction and Commissioning Support
- Relays Testing & comm.
- Configuration, Distribution network protection
- Integration of IEDs to SCADA
- Energy Optimization Study/Audit
- Process Safety Studies
- Gas Processing
- Gas Storage
- Sustainables
- Renewables

CAPABILITIES



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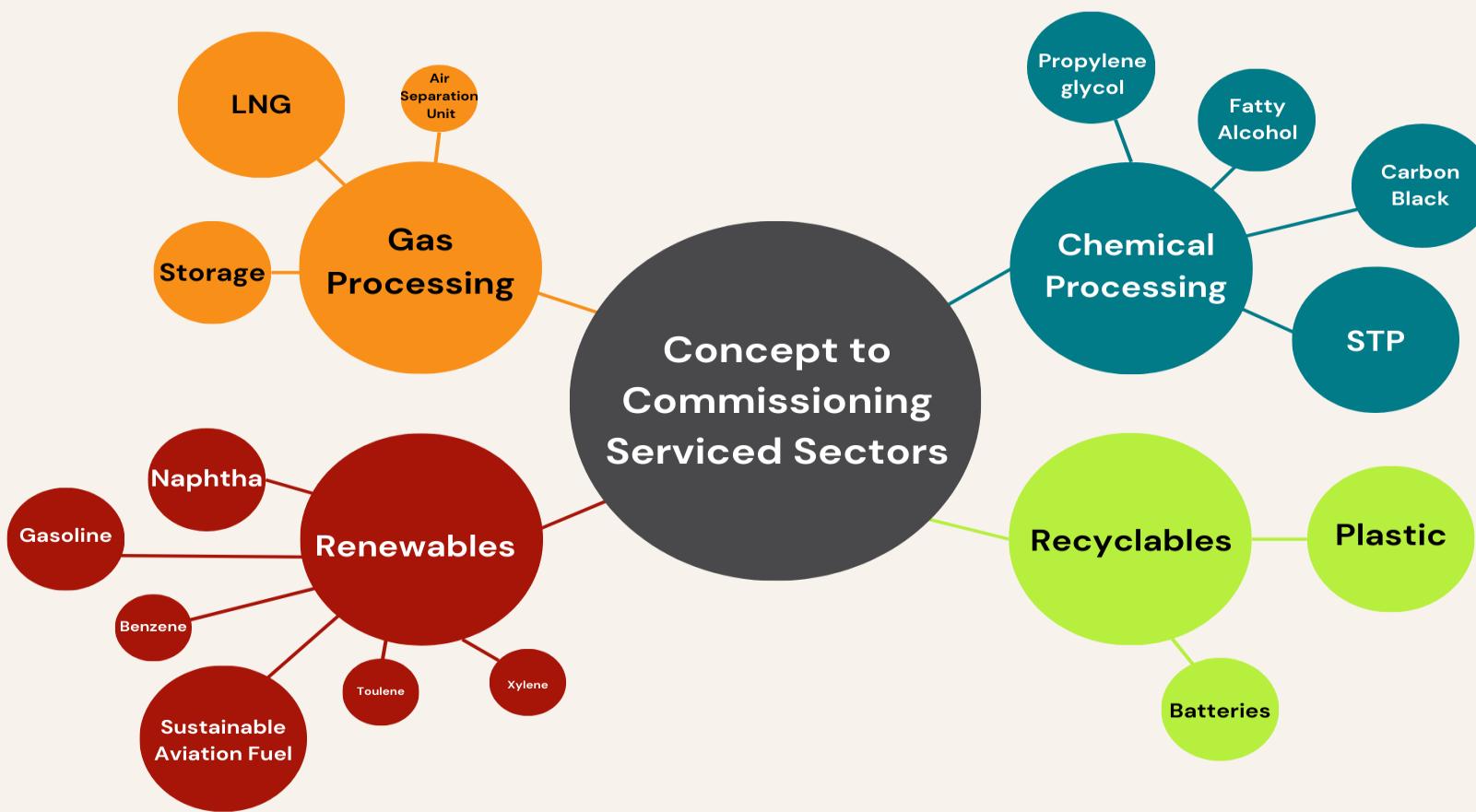
SECTORS

CONCEPT TO COMMISSIONING

COLLABORATIVE SERVICES WITH CHEMTEX



Sustainable & Innovative Engineering Solutions



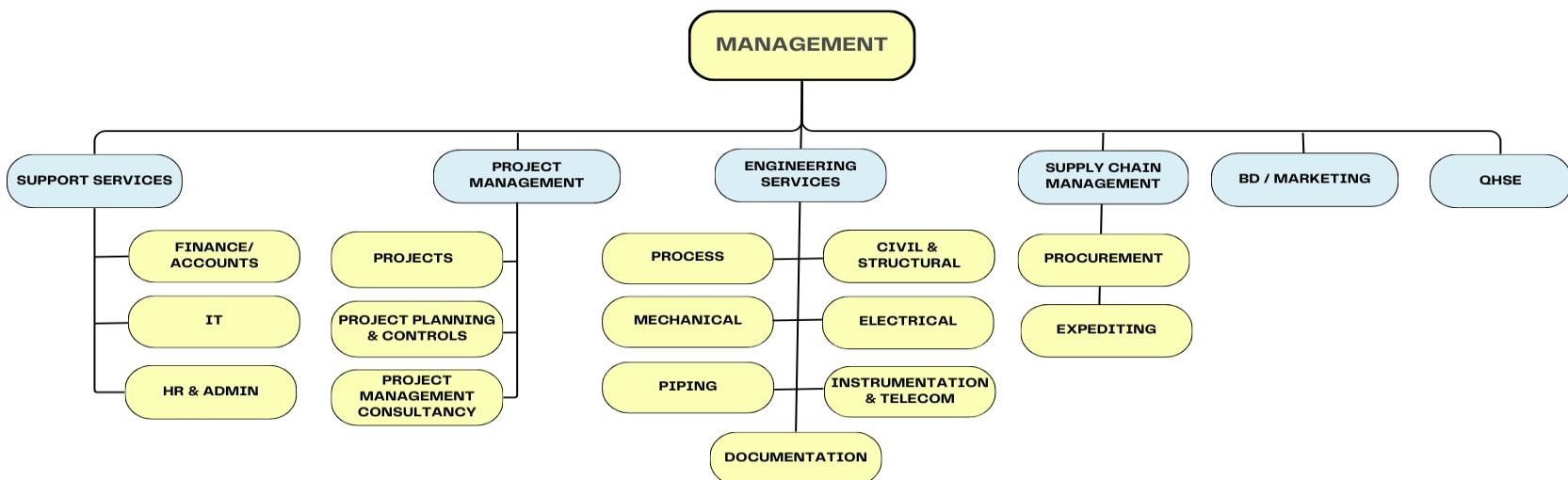
SERVICES

COMPANY ORGANISATION CHART



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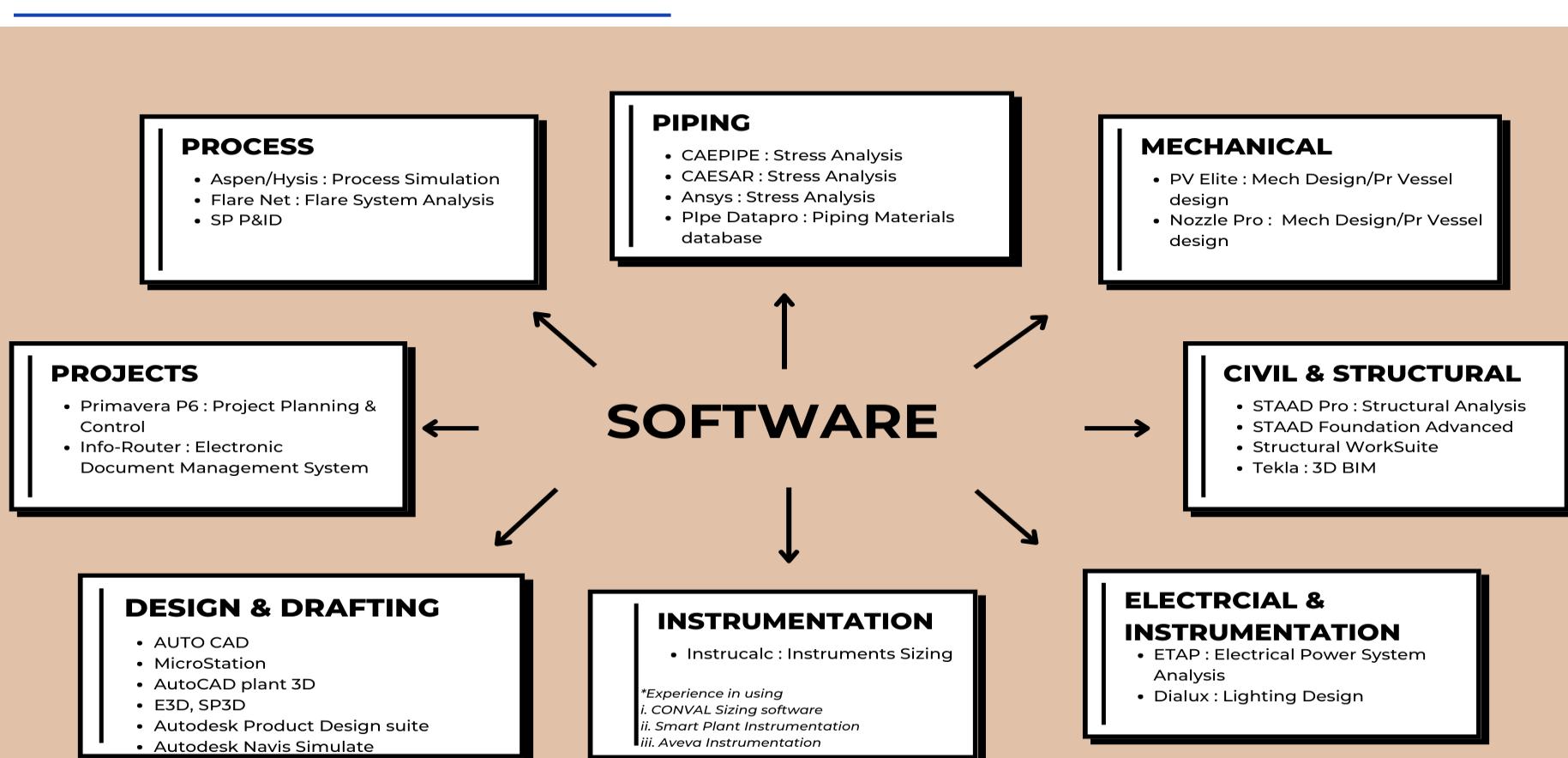
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SOFTWARE LIST



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SERVICES

REFERENCE PROJECT LIST Oil and gas - By Controlbites



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SR.NO.	PROJECT NAME	LOCATION	YEAR OF COMPLETION	SCOPE
1	Automation of Effluent Treatment Plant (ETP)	Vaasudeva PMPL-Bengaluru, India	2025	Detail Engineering for Instrumentation
2	9005 SS Blackout Root Cause Analysis Report-SEC, KSA	JEF-Bengaluru, India	2024	Root Cause Analysis
3	MOC 8208 - DEFINE (FEED) and Detailed Engineering Scope of Work- F&G GAP Analysis Study	Abu Dhabi, UAE	2023-2025	FEED Engineering for Civil, Electrical and Instrumentation
4	MOC 5910 - DEFINE and Detailed Engineering SCOPE OF WORK for replacement of Obsolete MX Panels Fire protection System with New F&G systems	Abu Dhabi, UAE	2023-2025	FEED Engineering for Civil, Electrical and Instrumentation
5	EPC for Call-Out Contract for 2023-2027 GAS Wells Tie-ins, Package- 5	Abu Dhabi, UAE	2024	Design Consultancy for Instrumentation
6	Gas Field Development Project	Abu Dhabi, UAE	2024	Instrumentation Engineering
7	EPC For RSF (RIM SEAL FOAM) and FSF (FULL SURFACE FIRE) Fighting System Upgrade for COS Tanks	Abu Dhabi, UAE	2023	Vendor Documents Review
8	P&ID , PFD & Plot plan Development	Jhabua (MP), India	2023-2024	Updation of existing plot plan , PFD and Plot plan to capture modifications in existing plant in consultation with client
9	HVAC upgrade for Process Buildings	Abu Dhabi, UAE	2023-2024	Modification works in existing Substation and Control room Building for HVAC upgrade

SERVICES

REFERENCE PROJECT LIST Power and Infrastructure By Controlbites



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SR.NO.	PROJECT NAME	LOCATION	YEAR OF COMPLETION	SCOPE
1	Tanggu UCC project	Worley	2023	FEED project
2	132 KV Bombore Main Substation	Sonabel , Burkina Faso, Africa	2022	Switchyard project including design of Substation & Control room Building
3	Main Administrative Building & Warehouse	Kuwait	2021	Design Consultancy for E&I, C&S and Mechanical
4	Generator Building	India	2019	Design Consultancy for E&I, C&S and Mechanical
5	Substation / Control Room/Compressor House	Cairn Energy, India	2018	Design Consultancy for E&I, C&S and Mechanical
6	Plant Building	Calibre Chemicals, India	2018	Design Consultancy for E&I, C&S and Mechanical
7	Rubber Compounding Factory (30000 sft)	SVAN ELASTOMER/ SIPCOT, Pochampalli, Tamil Nadu	2018-2020	Civil Design Consultancy
8	Mumbai Port Trust 24" Pipeline project	L&T Hydrocarbon Engineering	2018	Civil Design Consultancy
9	Bangladesh Gas Field Well Head Compressor Project	DORSCH CONSULTING, Mumbai	2018-2022	Civil & Structural deliverables for Tender document
10	Modular Fabrication Facility at SEZ	L&T / SEZ Kattupalli, Tamil Nadu	2020	Modification and expansion of large industrial structures
11	Residential projects	Many in Bengaluru	2018-2024	Design and project management

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REFERENCE PROJECT LIST Chemical & Gases - By Chemtex



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SR. NO.	CLIENT	TYPE OF PLANT	PRODUCT	CAPACITY	PROJECT DESCRIPTION	LOCATION	TECHNOLOGY	SCOPE	YEAR OF COMPLETION
1	Air Liquide	Gases	Nitrogen, Oxygen	300 TPD	Air separation unit	India	Air Liquide, France	DE	2023
2	Air Liquide	Chemicals	Fatty Alcohol	100 TPD	Fatty Alcohol Plant at Wilmar Indonesia	Indonesia	AL - Lurgi Germany	DE	2022
3	BKT Tires Ltd	Carbon Black	Carbon black	300,000 TPA	Hard Black and Specialty Carbon Black plant	India	BKT	EPCM	2023
4	Conceptual Advisory Services	Infra	Precast	1000m ³ /day	Pre-Cast Element Plant	India	Elematic, Ireland, Brenzoland, Italy	DE	2024
5	Air Liquide	Chemicals	Bio PG	200 TPD	Bio Propylene Glycol	Russia	AL - Lurgi Germany	DE	2023
6	Air Liquide	Gases	Nitrogen, Oxygen	100 TPD	Nitrogen Plant	Mozambique	Air Liquide, France	DE	2021
7	Birla Carbon	Carbon Black	Carbon black	-	Scrubbing system for Carbon Black plant	USA		DE	2020
8	Hindustan Zinc Ltd., (Vedanta Group)	ZINC	ZINC, LEAD & SILVER	1 million TPA	Engineering Services for Zinc Process	India	HZL/ Outokompu	DE	2019

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REFERENCE PROJECT LIST Chemical & Gases - By Chemtex



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SR. NO.	CLIENT	PROJECT	TECHNOLOGY	SCOPE	YEAR OF COMPLETION
1	ABB, PS&S, Italy	375MM SCF/D, 7.7MW (ISO) - SAWAN Gas Compression Project, Pakistan for OMV	FEED by ABB	Detailed Engineering	Dec 2007 – Jan 2009
2	MECS Inc, USA (Formerly Monsanto Envirochem)	193433 SCFM, 6848 kW Gas Compressor – 3410 TPD of Sulfuric Acid (Single Train) for OCP, Morocco	MECS, USA	Complete Detailed Engineering	Aug 2005 – Mar 2007
3	MECS Inc, USA (Formerly Monsanto Envirochem)	11210 scfm, 1150 H.P Gas Compressor for spent Sulfuric acid regeneration Plant (240 TPD) for DuPont's Western Refinery Project, Texas, USA	MECS, USA	Basic Engineering & Complete Detailed Engineering	Nov 2005 -Jan 2007
4	MECS Inc, USA (Formerly Monsanto Envirochem)	18869 scfm, 1175 H.P Gas Compressor for Spent Sulfuric acid regeneration Plant (400 TPD) for Conoco Phillips Bayway Refinery, Linden, New Jersey , USA	MECS, USA	Basic Engineering & Complete Detailed Engineering	Jan 2005 – Dec 2006
5	GE (Oil &Gas), Italy	Gas Compressor Station at various locations	GE	Developing & review of P&ID PDS Modeling & Piping Stress Analysis for Offsite Piping, Compressor and Blower area	2009 to 2012
6	Reliance Industries Ltd.,	MEG - II	SHELL	Basic & Detailed Engineering	1996
7	Reliance Industries Ltd.,	MEG - III	SHELL	Basic & Detailed Engineering	1997
8	Lea-Lea	Lea-Lea : EG Purification System	MPT	Basic Engineering & Detailed Engineering, Procurement	1999

SERVICES

REFERENCE PROJECT LIST

Speciality Chemicals – Polyester By Chemtex



Sustainable & Innovative Engineering Solutions

SR. NO.	CLIENT	TYPE OF PLANT	PRODUCT	CAPACITY	PROJECT DESCRIPTION	LOCATION	TECHNOLOGY	SCOPE	YEAR OF COMPLETION
1	Enter Engineering	CP	CHIPS	1200 TPD	PET plant/Textile CP	Uzbekistan	KTS, UK	EPCM	ONGOING
2	Loop Industries	CP	CHIPS	200 TPD	Chemical Recycle PET plant	Canada	KTS	EPCM	2024
3	SK GLOBAL	CP	CHIPS	200 TPD	Basic Engineering for rPET recycle DMT to PET	Korea	KTS, UK	BE	2024
4	INEOS CHEMICALS	CP, PET	CHIPS	1800 TPD	Feasibility PET at Cooper river & Indonesia	USA & Indonesia	KTS, UK	Feasibility study	2024
5	Mitsubishi Chemical Corporation	CP	BHET	66.5 TPD	BHET Plant	Japan	Garbo Italy	Feasibility study	2023
6	Red Sea National Refining and Petrochemicals Company	CP	CHIPS	1800 TPD	PET plant/Textile CP	Egypt	KTS, UK	BE	2023
7	Garden Silk Mills	CP	CHIPS	680 TPD	Capacity enhancement of CP1/2 textile grade	India	Invista	BE	2023
8	Indorama Synthetics Ltd	CP, POY, PET	Bottle Grade & Textile grade	1000 TPD	Capacity enhancement of CP1/3 & conversion to Bottle grade Capacity enhancement of CP2 textile grade	India	Invista	BE+DE	2023

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REFERENCE PROJECT LIST

Speciality Chemicals – Polyester

By Chemtex

SR. NO.	CLIENT	TYPE OF PLANT	PRODUCT	CAPACITY	PROJECT DESCRIPTION	LOCATION	TECHNOLOGY	SCOPE	YEAR OF COMPLETION
9	Indorama Ventures Poland	CP	CHIPS	100 TPD	Recycle PET Melter plant	Poland	CHEMTEX	EPCM	2021
10	Sibur	CP, PET	Bottle Grade	200 TPD	FEASIBILITY for Recycle PET	Russia	Garbo/Invista	Feasibility study	2020
11	Alo Polymers Inc	CP, PET	Bottle Grade	900 TPD	FEASIBILITY for PET	South Africa	Invista	Feasibility study	2020
12	Indorama Fiber Vision	PSF/POY	Textile grade	400 TPD	Engineering services for Spinning line	USA	Invista	BE+DE	2020
13	Indorama Auriga Polymers	PSF/POY	Textile grade	175 TPD	Engineering services for Spinning line	USA	Invista	BE+DE	2020
14	Reliance Industries Ltd	CP	Textile grade	1200 TPD	Engineering for LINE REACTOR	India	Invista	BE+ DE	2019
15	Indian Oil Corporation	CP, PSF, POY, FDY	Textile grade	900 TPD	FEASIBILITY for Polyester	India	Invista	Feasibility study	2018
16	Indorama	CP	Textile grade	200 TPD	PSF PLANT	Indonesia	Barmag	DE	2018

SERVICES



REFERENCE PROJECT LIST

Speciality Chemicals – Polyester

By Chemtex

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SR. NO.	CLIENT	TYPE OF PLANT	PRODUCT	CAPACITY	PROJECT DESCRIPTION	LOCATION	TECHNOLOGY	SCOPE	YEAR OF COMPLETION
17	SafPET Russia	CP	PET Chips	750 TPD	CP PLANT	Russia	INVISTA	DE	2018
18	SafPET Russia	CP	PET Chips	750 TPD	CP PLANT	Russia	INVISTA	DE	2018
19	Alo Polymers Inc	CP, PET	Bottle Grade	900 TPD	FEASIBILITY for PET	South Africa	Invista	Feasibility study	2020
20	Indorama Fiber Vision	PSF/POY	Textile grade	400 TPD	Engineering services for Spinning line	USA	Invista	BE+DE	2020
21	Indorama Auriga Polymers	PSF/POY	Textile grade	175 TPD	Engineering services for Spinning line	USA	Invista	BE+DE	2020
22	Reliance Industries Ltd	CP	Textile grade	1200 TPD	Engineering for LINE REACTOR	India	Invista	BE+ DE	2019
23	Indian Oil Corporation	CP, PSF, POY, FDY	Textile grade	900 TPD	FEASIBILITY for Polyester	India	Invista	Feasibility study	2018
24	Indorama	CP	Textile grade	200 TPD	PSF PLANT	Indonesia	Barmag	DE	2018
25	SafPET Russia	CP	PET Chips	750 TPD	CP PLANT	Russia	INVISTA	DE	2018

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REFERENCE PROJECT LIST

LNG Liquefaction

By Chemtex



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SR. NO.	CLIENT	PROJECT	LOCATION/ CAPACITY	SCOPE	YEAR OF COMPLETION
1	Lanzhou Gas & Chemical Industry Group Co.	Liquefaction:300,000Nm3/D Tank: 5000m3	Gansu, China	EPC	2010
2	Tianjin Jinran Thermal Power Co.,Ltd	Liquefaction:300,000Nm3/D Tank: 5000m3	Tianjin, China	EPC	2016
3	Jingbian Xilan Natural Gas Liquefaction Co.	Liquefaction:500,000Nm3/D Tank: 10000m3	Shaanxi, China	EPC	2010
4	Jilin Qianyuan Energy Co. Ltd.	Liquefaction:500,000Nm3/D Tank: 10000m3	Jilin, China	EPC	2014
5	CNOOC Guangdong LNG Co. Ltd.	Liquefaction:600,000Nm3/D Tank: 10000m3	Guangdong, China	EPC	2008

SERVICES



REFERENCE PROJECT LIST CRYOGENIC TANK FARM By Chemtex

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SR. NO.	CLIENT	PROJECT	LOCATION/ CAPACITY	SCOPE	YEAR OF COMPLETION
1	Golden Pass LNG Terminal LLC (ExxonMobil)	Golden Pass LNG	Sabine Pass, Texas, USA / 5x155,000 m ³	DE	2009
2	Dominion Cove Point LNG, LP	Cove Points LNG	Cove Point, Maryland, USA/ 2x160,000 m ³	DE	2009
3	IOTL	IOCL GUJARAT OIL REFINERY TANKAGE SYSTEM	VADODARA, Gujarat, India / 2x60,000m3 Propane/Butane Tank	EPCM	2019
4	MERICHEM CHEMICALS AND REFINERY SERVICES LLC	IOCL: LPG & GASOLINE TREATMENT & STORAGE	BARAUNI, INDIA/ 4x4,000m3 Bullet LPG Tank	E & P	2019
5	MERICHEM CHEMICALS AND REFINERY SERVICES LLC	IOCL: LPG & GASOLINE TREATMENT & STORAGE	RELIANCE TERMINAL, JNPT, INDIA/ 6x4,000m3 Bullet LPG Tank	EPCM	2020
6	RELIANCE	CRYOGENIC PROPANE STORAGE & HANDLING FACILITY	RELIANCE TERMINAL, JNPT, INDIA/ 32,000m3 Propane Tank	DE	2020
7	BOTAS	BOTAS Marmara Ereglisi LNG Terminal Expansion Project	stanbul, Turkey / 160,000 m ³ LNGTank and Terminal	DE	On Going

SERVICES

PROJECT PORTFOLIO - By Chemtex LNG Plants



Dazhou Huixing
1.0 MM Nm³/day



Erdos Xingxing Energy
1.0 MM Nm³/day



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SERVICES

PROJECT PORTFOLIO LNG Plants



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Lanzhou Gas & Chemical Group
1.5 MM Nm³/day



CNCC Guang'an
1.0 MM Nm³/day

SERVICES

PROJECT PORTFOLIO LNG Plants



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Jingbian Xingyuan
1.5 MM Nm³/day



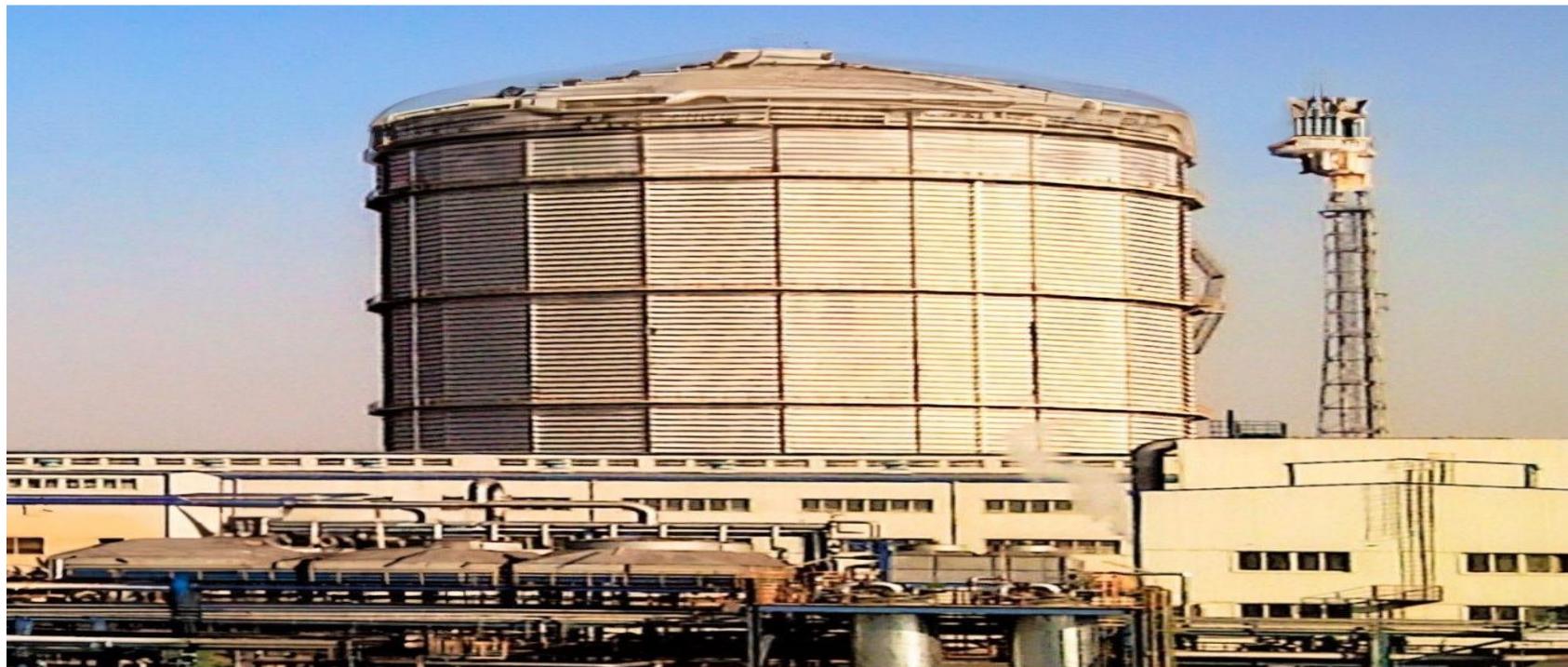
Shanxi Guoxin Qixian
1.0 MM Nm³/day

SERVICES

PROJECT PORTFOLIO LNG Tank Farm



Sustainable & Innovative Engineering Solutions



Offers LNG Storage tanks ranging in capacity from 5,000-60,000 m³

SERVICES

PROJECT PORTFOLIO

Tank Farm



Sustainable & Innovative Engineering Solutions



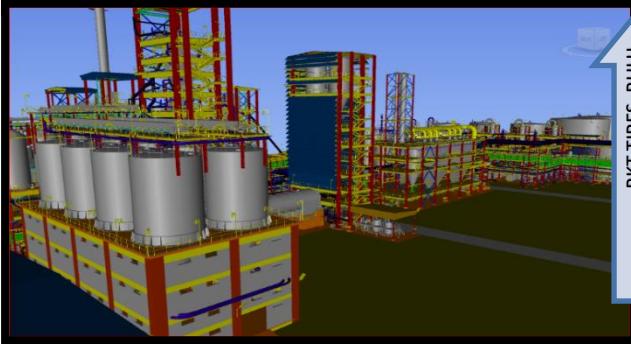
SERVICES

PROJECT PORTFOLIO Carbon Black



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Carbon Black Plant
Hard & Speciality Grades
2500 lines
Balakrishna Industries
Scope : EPCM

Carbon Black Plant
Hard & Soft Grades
1500 lines
Birla Carbon
Scope : Detailed Design

BIRLA CARBON, EGYPT

SERVICES

PROJECT PORTFOLIO Chemical & Gases

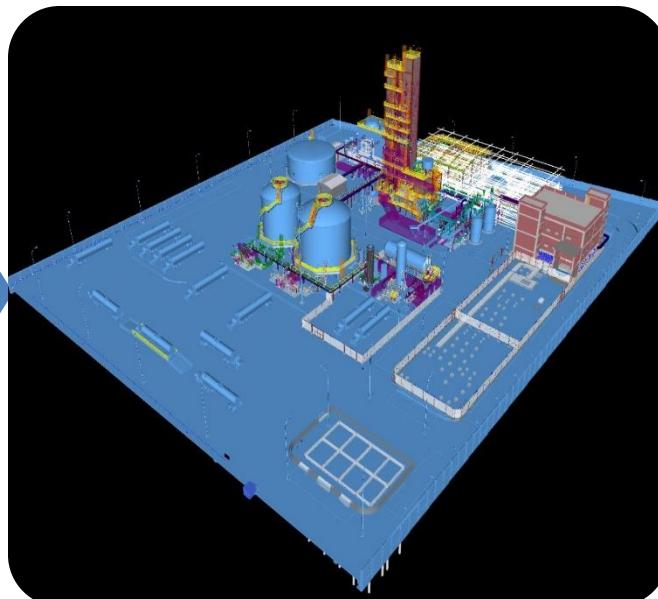


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Air Liquide, New Delhi

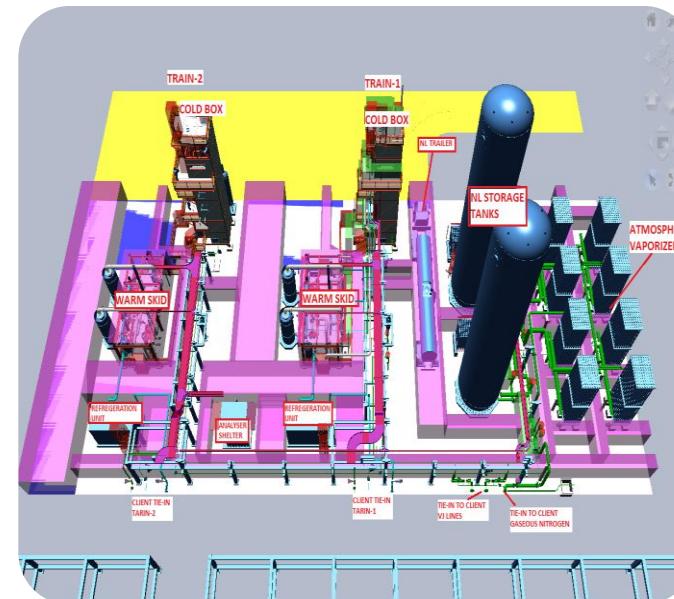
Air Separation Units New Delhi - 350 lines
Fatty Alcohol, Indonesia plant - 450 lines

N2, O2
Plant



Scope : Detailed Design

ASU



Scope : Detailed Design

SERVICES

PROJECT PORTFOLIO Renewables



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Client: Versalis, Italy

Project:
100 KLPD Bio-Ethanol Plant

Feed stock:
Rice Straw, Wheat Straw,
Napier Grass, Woody Biomass

By Products:
Lignin, Power

Scope : Detailed Design
Approx 2200 lines



SERVICES

PROJECT PORTFOLIO Plastic Recycling



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Wales, UK

- Customer: Orthios Otech5 | Eirfuels UK
- Size: 72 TPD (4 x 750 kg/hr retort + 72 TPD utility)
- Year sold: 2020
- Year commissioned: March 2024
- Plan was to commission the plant at the current site and then move to their own facility in Ireland.

SERVICES

PROJECT PORTFOLIO Plastic Recycling



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Czech Republic Project

- Customer: Agmeco LT (Karel Prokes)
- Size: 6 TPD
- Year sold: 2011
- Year commissioned: 2012
- Demonstration plant running on Tyres, plastic and sewage sludge

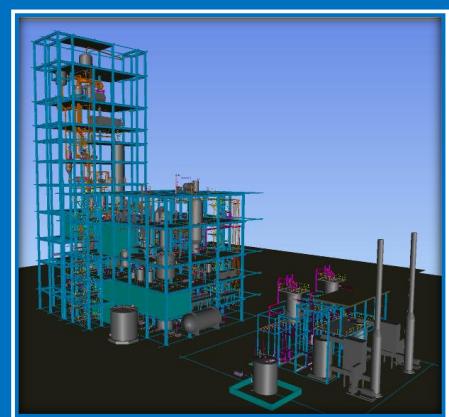
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PROJECT PORTFOLIO PET / Polyester Projects



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Polyester plant 900TPD,
2000 lines

PET Plant
2000 TPD,
4500 Lines



SERVICES

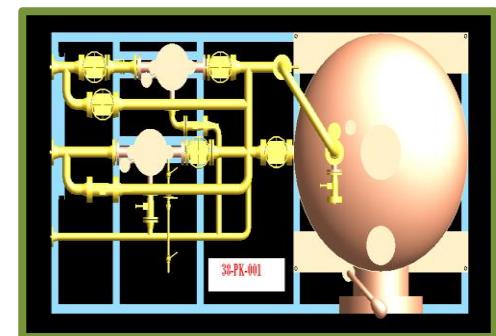
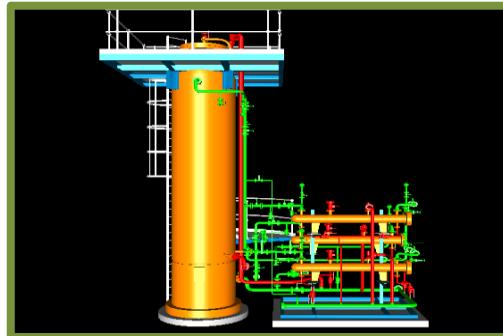
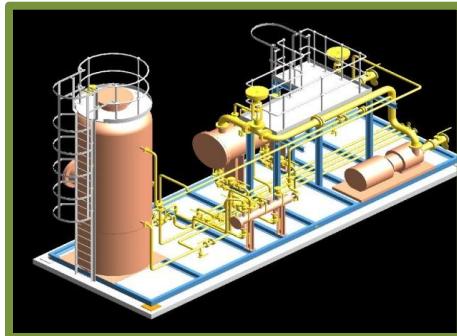
PROJECT PORTFOLIO 3D Modeling



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3D - MODELS



ACTUAL SKIDS



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PROJECT PORTFOLIO 3D Modeling



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The image displays a 3x3 grid of 3D modeling screenshots, each representing a different service offered by the company:

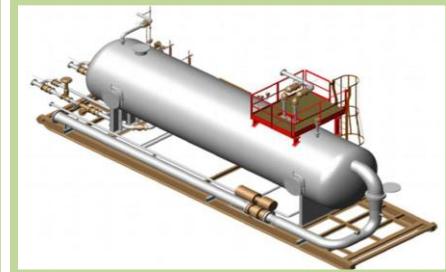
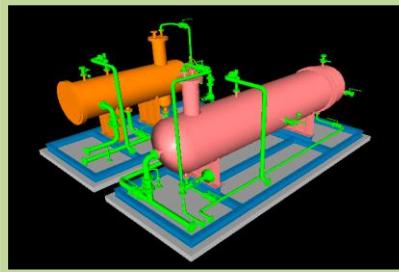
- PVELITE:** Shows a 3D model of a vertical vessel with a green dome top and a small vertical pipe, with two software interface windows showing the internal structure and dimensions.
- SKID MODEL:** Shows a 3D model of a skid-mounted unit with a large brown cylindrical tank and various yellow and blue piping and valves.
- FEA:** Shows two 3D finite element analysis (FEA) models with color-coded stress or strain distributions and numerical values (e.g., 105,984, 137,746, 138,069) overlaid.
- TANK FARMS:** Shows a large orange cylindrical tank and a 3D isometric view of a facility with several cylindrical tanks and piping.
- PIPING 3D:** Shows a 3D piping model with a complex network of blue and green pipes and valves, with a software interface window showing the piping structure.

SERVICES

PROJECT PORTFOLIO 3D Modeling



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3 D - MODELS

Glycol Regeneration Skids

Actual Skids

Actual Skids

Actual Skids



ACTUAL SKIDS