



13-09-2017

Dear Shareholders,

This is a brief report/reference on Steriwave/Global Group's sister company, Vectrance Group's international activities and growth.

There will be soon other news posted on Steriwave-Global-Vectrance Group concerning international renewable energy projects and hydrogen projects.

I kindly request shareholders to attend the Next AGMS for full reports on activities and other important issues.

Yours Faithfully,

The management

<http://www.vectrance.com/>

<http://www.emplus-int.com/en/>

<http://www.vectrance.com/fr/emplus.php>

<http://www.vectrance.com/fr/pdf/VECTRANCEQHSE.pdf>

Vectrance PMC REFERENCES

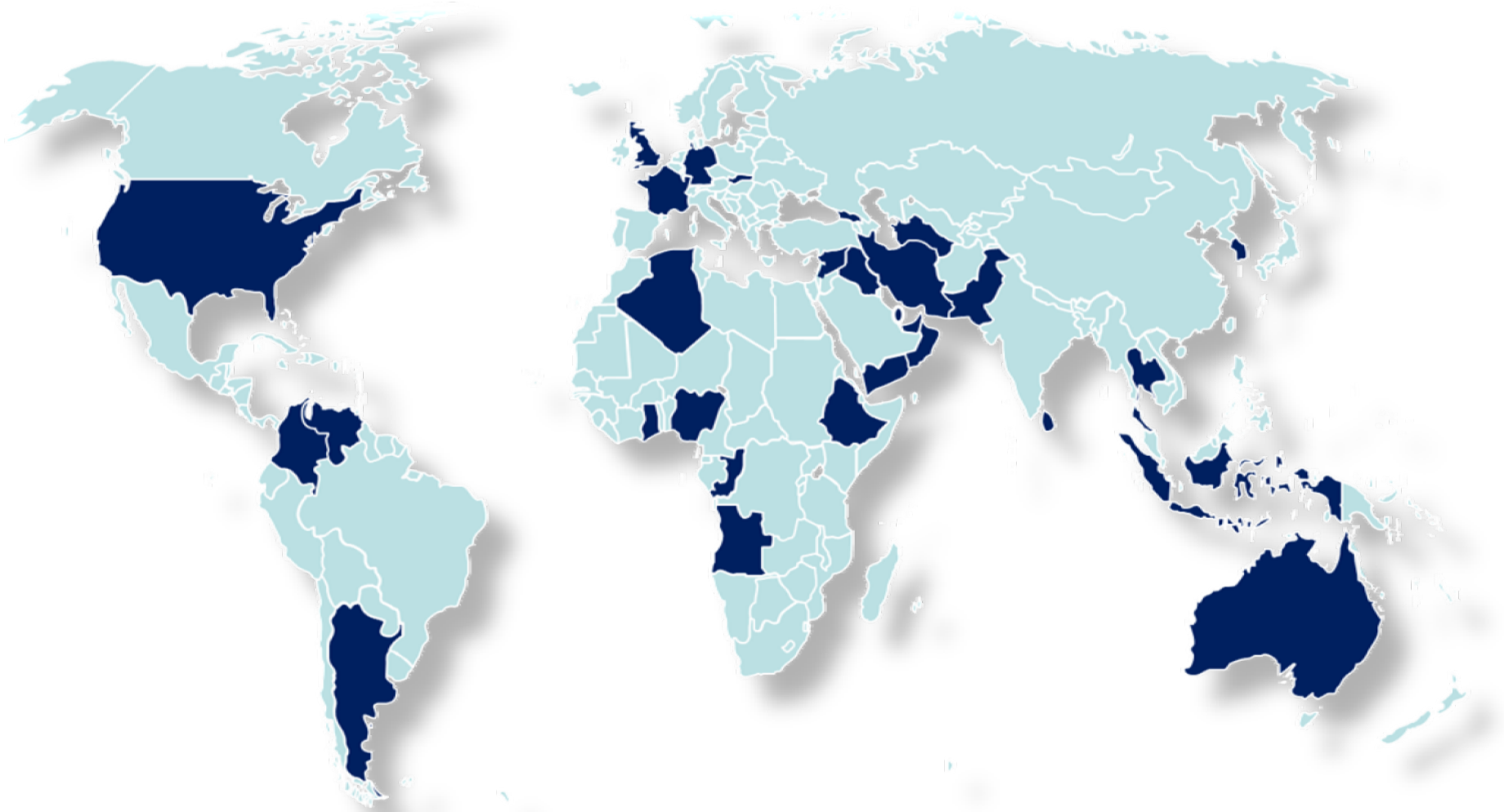
VecTrance/ references

Based on decades of experience from the development and the management of PMC engineering companies of Dr Denantes, such as Vectrance, Kappa,...

find here exemples of PMC (proj manangt consutant)contracts, addressing oilgas companies=

* references

WORLDWIDE REFERENCES *



* Founders' references



OIL FIELD SERVICES REFERENCES (explor^{*}/drilling)

OIL FIELD SERVICES REFERENCES (1) *

Client **Medco, Pertamina, Shell brunei**

Date 2002-04

Function Drilling superintendents

Detail

Preparation of explor drilling program, tendering, contract management of 3 wells on shore drillings (contractor supervision, reporting, coordination with geologists,...)

Client **Repsol/PDV**

Date 2008 to 2010

Function Drilling superintendents

Detail

Preparation of explor drilling program, tendering, contract management of 3 wells , on shore drillings (contractor supervision, reporting, coordination with geologists,...)

Client **Petronas**

Date 2004

Function drilling engineering

Detail

Drilling plan,contract management,supervision of drilling contractors,coordination with geoscience team

OIL FIELD SERVICES REFERENCES (2)

Client **Cairn,India**

Date 2010

Function

Drilling proj managt, well site geologist

Detail

Drilling plan, tender, contract management, supervision of drilling contractors, coordination with geoscience team, wellsite geology plan coordination

Client **GNPOC,Egypt**

Date 2004

Function drilling engineers

Detail

Engineering of drilling, planning, contract/tender preparation, coordination on with geoscience

Client **Sakhaline Energy**

Date 2007

Function Drilling engineers

Detail

Engineering of drilling, planning, contract/tender preparation, coordination on with geoscience

OIL FIELD SERVICES REFERENCES (3) *

Client **Medex, Pertamina**

Date 2001,2008

Function Well supervisors

Detail

Well intervention preparation, supervision of 2 coiled tubing contractors for well maintenance

Client **Challenger drilling ,Repsol (Algeria)**

Date 2004,2005

Function Well supervisors

Detail

Well intervention preparation, supervision of drilling and coiled tubing contractors

Client **Medex, Aioc, PA Resources**

Date 2007 - 09

Function Petrophysics supervision/well site geology

Detail

Petrophysics program preparing, LWD supervision,contractor supervision, data interpretation of slicklines loggings, synthesis reports

OIL FIELD SERVICES REFERENCES (5) *

Client **Gupco, (Egypt)**

Date 2008

Function Well site geologist

Detail

Support to exploration drilling , res planning, prepare well design with drilling team, LWD preparation, logging supervision and interpretation

Client **Waha oil, Petrokazakstan,**

Date 2006

Function Well site geologist

Detail

Support to exploration drilling , res planning, prepare well design with drilling team, LWD preparation, logging supervision and interpretation

Client **Challenger drilling (Lybia)**

Date 2006

Function drilling engineers

Detail managemt contract

Preparation, coordination with Gupco drilling, geoscience teams, and technical support to drilling campaigns

* references

OIL FIELD SERVICES REFERENCES (6) *

Client **Afren, Nigeria, Cnooc ,**

Date 2011,12

Function Well site geologist :

Detail

Support to exploration drilling , res planning, prepare well design with drilling team, LWD preparation, logging supervision and interpretation

Client **Total(Niger), Tatneft (Russ), Dubai Petroleum**

Date 2005 to 2007,

Function Geol modelling/Seismics interpreting

Detail

Geological studies review, seismics program preparation and execution(contract management); interpetation studies, synthesis reports

* references

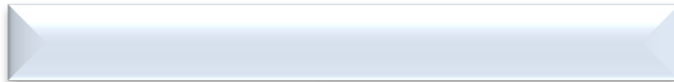
OIL FIELD SERVICES REFERENCES (7) *

Client	Agoco Libya, BG Egypt
Date	2006,7
Function	Reservoir simulation on Eclypse

Client	BP Angola, Nexen
Date	2001- 2002
Function	Geol,Seismics interpreting

Geological studies review, seismics program preparation and supervision (contract management); interpetation studies, synthesis reports

* Founders' references



PMC/ENGINEERING SERVICES REFERENCES *

ENGINEERING SERVICES & PROCUREMENT REFERENCES (1) *

Client **Pan African, Jogmec**
Date 2005, 2006
Function Basic geology studies, contract management, wellsite
geol QA/QC
Detail
PMC of all geophysics/geology, logging: contract management, planning, supervision of contractors

Client **AIOC (Azerbaijan), Nimir**
date 2005, 2007
Function Basic petroleum engineering studies, sow, planning contract
management, well site geology
Detail
PMC contract management, planning, supervision of contractors

ENGINEERING SERVICES & PROCUREMENT REFERENCES (2) *

Client	AGIP, London
Date	2003-2004
Function	Engineering, HSE, and project control
Detail	PMC of conceptual studies and feasibility phase of KCO mega project (Kashagan proj, Kazakstan) of subsea architecture in
Artic conditions.	Analysed 50 options and evaluated them on economics, risk, operation maintenance and HSE criteria. Optimised architecture and performed cost control and planning management. Supervision of Parsons, FMC and other vendors.
Size	72 men months.

ENGINEERING SERVICES & PROCUREMENT REFERENCES (3) *

Client	SINCOR (Total Statoil PDV), Venezuela – 4.3 B \$
Date	2000-2004
Functions	Engineering, Project control, HSE, OM preparation
Detail	Overall FEED (Frontal Engineering Design), supervision (Foster Wheeler US), Engineering
contractors supervision, Puerto La Cruz and San José (Planning contract management).	(FW, Technip, Uhde, ...) in Caracas,
process).	Construction management upstream facilities (heavy oil
and HSE	Supervision maintenance, operation, preparation programs supervision.
Size	Upgraded PMC engineering, procurement, construction and commissioning. 1500 men months

ENGINEERING SERVICES & REFERENCES (4)

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Client **Burlington, London**
Date 2001-2002
Function Engineering, HSE, Project control
Detail Conceptual and feasibility studies, basic engineering of an Algerian project.
Supervision of contractors in charge of the project.
Size 144 men months.

Client **EDF (Electricité De France), MOL**
Date 1996 to 2001
Functions Engineering and project control
Detail PMC of major shutdown of all France nuclear plants.
Preparation of engineering, shutdown implementation, cost planning, vendor and contractor contract management.
Size 370 men months.

ENGINEERING SERVICES & PROCUREMENT REFERENCES (6) *

Client Kaduna Refining and Petrochemical Company, Nigeria
Date 1991-92
Function Engineering and project control
Detail Feasibility and FEED (Frontal Engineering Design) of new projects (reforming, hydro-treatments, utilities...).
Supervision of contractors (Lummus...).

Size 70 men months

Client Alfol plant, Mashino Import
Date 1977-78
Function Engineering, Project Control, QA/QC
Detail FEED (Frontal Engineering Design), engineering, procurement start.
Supervision of contractors (Alfol process from Conoco).
Start up supervision.

ENGINEERING SERVICES & PROCUREMENT REFERENCES (7) *

Client **Conoco, El Paso,**
Date 1975-76
Function Project Control, QA/QC
Detail Construction Phase of San Juan Basin BCG gas plant (NGL).

Client **RENAULT**
Date 1991-2007
Function Project Control
Detail
PMC of car launching projects, engine development projects and automotive plants construction.
Size 1030 men months.

Client **PSA (PEUGEOT – CITROËN)**
Date 1998-2007
Function Engineering and Project Control
Detail
PMC of 4 car launching projects, engine development projects and automotive plants construction.
Size 1440 men months.

PROCUREMENT Services REFERENCES (8)

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Client **Energo Enjam (Turkmenistan), Tadbir proj (Iran)**
Date 2006
Function Supply 102 units Current transformer and 9units Voltage Transformer

Client **Energo Enjam (Turkmenistan)**
Date 2006
Function Supply 42km Cable&5 Tone-Copper Conductor

Client **Turkmen Energo (Turkmenistan)**
Date 2006
Function Supply 45 Units High Voltage Circuit Breaker

Client **Energo Enjam (Turkmenistan)**
Date 2006
Function Supply Switch Gear&145KV
Disconnecting Switches

SERVICES & PROCUREMENT REFERENCES (9)

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Client	NTDC (Pakistan)
Date	2008
Function	220/132KV Substation
Client	NTDC (Pakistan)
Date	2008
Function	220KV Transmission line
Client	NTDC (Pakistan)
Date	2008
Function	Substation & Transmission Project (Phase 1&2)
Client	EPCO (Ethiopia)
Date	2008
Function	Extension Of 230KV Substation

SERVICES & PROCUREMENT REFERENCES (10)

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Client	Ministry of irrigation (Syria)
Date	2008
Function	Geotechnic Operations
Client	Public Authority for Electrical & Water (Oman)
Date	2008
Function	Water Transmission & Supply System in Niabt Jaba Akdor in Nizwa Province
Client	Ceylon Electricity Board –CEB (Sri Lanka)
Date	2008
Function	Rural Electrification of 8 regions
Client	Ministry of Power (Lebanon)
Date	2009
Function	Supply 21units of Spark Gap&15units of Currents Transformer

ENGINEERING SERVICES & PROCUREMENT REFERENCES (11) *

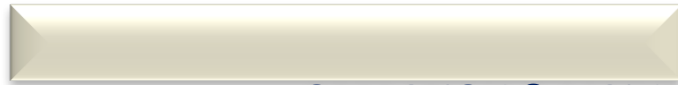
Client	GIG Energy (Georgia)
Date	2009
Function	Construction of Small Water Plant (Khobi HPP 2,3)
Client	Ministry of Electricity (Iraq)
Date	2011
Function	Al-Sadr Power Plant
Client	Ministry of Water (Ghana)
Date	2011
Function	Damongo irrigation

ENGINEERING SERVICES & PROCUREMENT REFERENCES (12) *

Other PMC references:

- ARCO
- CASPIAN GAS CORP
- AMOCO,Aramco
- ORIENT PETRLOEUM
- PEDCO,Crescent
- WASCANA,Kelt
- PLUS PETROL
- MONUMENT,Nimir
- WHARFRESOURCES,
- BHP
- REPSOL
- SAKHALINE ENERGY
- SHELL (Malaysia, Nigeria)

* Founders' references



OPERATION & MAINTENANCE REFERENCES *

OPERATION & MAINTENANCE REFERENCES (1) *

Client **SINCOR Upstream/Downstream, Venezuela**
Date Since 1999
Function Commissioning services
Detail
Participation in the Sincor Commissioning team (System Engineers and Specialists)

Client **TOTAL South Pars, Iran**
Date since 1999
Function Commissioning services
Detail
Participation in the Commissioning team (System Engineers and Specialists)

Client **TOTAL/NIOC**
Date Sirri project, Iran (1998-2000)
Function Commissioning services
Detail
Leading site commissioning of Sirri onshore facilities. Preparation and implementation of start-up

OPERATION & MAINTENANCE REFERENCES (2) *

Client **Hyundai, Korea**
Date 1998
Function Commissioning package

Detail

Team for performing precommissioning/commissioning preparations on the tracking system for 2 large drilling ships for Angola and implementation on site

Client **Inelectra, Venezuela**
Date 1998
Function Commissioning leader x 2

Detail

Commissioning preparation and implementation of oil field facilities for PDVSA

Client **Elf Angola**
Date Girassol (deep water project – FPSO/UFL/Subsea) - 1998
Function Commissioning services and engineering services

Detail

Preparing pre-commissioning procedures Interface co-ordination on the project

OPERATION & MAINTENANCE REFERENCES (3) *

Client **Forasol Drillship**
Date Angola (1998-99)
Function Commissioning services
Detail
Precommissioning/commissioning preparation and implementation on tracking system 'Belcom'

Client **Sedco Forex Drilling platform**
Date Brest (1999)
Function Commissioning services
Detail
Precommissioning/commissioning preparation and implementation on tracking system 'Belcom'

Client **Qatargas LNG, Qatar**
Date 1997-98
Function Commissioning services
Detail Leading commissioning supervision of 3rd compression train by McDermott

OPERATION & MAINTENANCE REFERENCES (4) *

Client	TOTAL, Thailand
Date	1996-97
Function	Specialised services and production services
Detail	Definition of an HSE plan and conducting implementation Engineering of a gas turbine generator. Lead commissioning of a platform
Client	Qatargas upstream, Qatar
Date	1996-98 – Dubai & Abu Dhabi
Function	Commissioning/start-up services
Detail	Leading commissioning start-up and shut-down of offshore facilities
Client	Elf Congo
Date	N.Kossa Field (1995-96)
Function	Precommissioning/commissioning services package
Detail	Preparation of precommissioning/commissioning procedures and engineering database, co-ordination for site implementation

OPERATION & MAINTENANCE REFERENCES (5) *

Client **Total Austral, Argentina**
Date 1992-93
Function Project control and commissioning package
Detail
Project control of 2 main onshore projects (Hydra etc.)
Leading precommissioning/commissioning preparation and performance supervision of these projects

Client **TOTAL Yemen**
Date 1996-97
Function
Set-up of Opex contract - field management and commissioning services

Client **Shell Nigeria**
Date BOS Waari Refinery - 1990
Function Engineering services
Detail Precommissioning and commissioning of DCS and telecoms

OPERATION & MAINTENANCE REFERENCES (6) *

Client **Ecopetrol Colombia**
Date Refinery - 1997
Function Start-up services
Detail Preparation and implementation of start-up

Client **IFP**
Date Refining units - 1996 - 97 - 98
Function start-up services

Client **TOTAL Indonesia**
Date 1996-2000
Function Commissioning services
Detail Various projects

Client **Lasmo Venezuela**
Date 1999
Function Commissioning Services

OPERATION & MAINTENANCE REFERENCES (7) *

Client **TOTAL Algeria**
Date Hamra Field -1996
Function Commissioning Services

Client **Amoco, Houston**
Date 1991
Function Project management

Detail
Planning of commissioning/start-up maintenance of 3 offshore facilities and data warehouse computerisation supervision

Client **TOTAL Algeria**
Date Tin Fouije Field - 1996-97
Function Production services
Detail
Preparation of maintenance and CMMS on oil field installations

OPERATION & MAINTENANCE REFERENCES (8) *

Client	Repsol, Algeria
Date	Production Sharing Contract Sonatrach/Repsol - 1997-98
Function	Production services
Detail	Review of operating manuals
Client	Total Indonesia
Date	Balikpapan - 1992
Function	Maintenance organisation and Management Manual
Client	Sonatrach
Date	Hamra - 1996
Function	Maintenance guidelines for electrical equipment
Client	Gasco
Date	ASAB - 1994
Function	Work order procedures

OPERATION & MAINTENANCE REFERENCES (9) *

Client **ADNOC**
Date Mubaras Island - 1997
Function Engineering and implementation of actions groups training to improve onshore and offshore safety.

Client **TOTAL Algeria**
Date Hassi Messaoud - 1990-91
Function Production services
Detail Training of operators

Client **Cegelec**
Date Paris HQ - 1993-94
Function Training of trainers, development of models and modules.

Client **Qatargas**
Date 1996
Function Engineering, implementation and management of operating manuals for offshore natural gas production installation

OPERATION & MAINTENANCE REFERENCES (10) *

Client	Gaz De France
Date	HQ (2000)
Function	Engineering and implementation of organised training Network to ease the use of PIDs for operations, between operators and engineers.

Ex:Vectrance partn.: oil gas PMC References as OM services (operation/maintenance)

-MRO services:

EDF:1998, 2006, major Shutdown planning of 15 nuclear power plants,
mainten plans,RCM of China Nuclear project 2001
Sakhalin Energy,SPDC:pipelines maintenance/commissg, 2005,8
Cnooc, Whaha, 2004,5, pipelines maintenance/comm, prepare/exec
Sun oil, pipeline overhaul, kazak,2000
Kaz Mungas,2001, Sun oil, MedgazKogas, maintenance plang,CMMS;2002,3
Acergy,2005,06, Pipeline commissioning
Shell, Exxon, Tchad, inspect/commissg Pipeline,2002, 5
Shell Nigeria, Malaysia, 2000,005, pipelines, mainte/inspection,
Burren res petr,Turkmen, inspection/commissg,2004
BPAngola, Kogas, 2003,4 turbines overhaul/commissg
Bapco, Barhein, CMMS implementation,2005,6
Gascon, mainten enging on oilgas projects 2005,7

-OM engineering/start up support::

-Total, ep:1998,2007:

missions of gasTurbine preventive/routine programming/insp, SonangolAngola,
Total, Qatargas, Venez, Shell Nigeria... prepare/ implementation systems/commissioning
9 missions of operation/maintenance engineering on projects (reliability,manuals, engineering,
data base preparation)
12+Plants commissg preparation team on Icaps,Total,various subsid, Anadarko, Socal, , Devon...
-Potash corp, Transcan pipel, Vale , Gaz metro, commissg/maintenance preparation team , 2009...
-Kaduna refin., Nigeria 2001,2, Inelectra, Lagoven: refinery preparation exec of shutdown
-Pride drill ship, 2001,2 preparation of commissg /maiten
-Transocean/Foramer, Pride,rigs, 2001,3 preparation of commissg,execution,and,
Agoco, 2006,07, QGPC, Kogas, Gasplants proj, NDC,Challenger, PDVVenez, Inelectra, CNRL,
Tejas, Enron, oilgas install prepare OM and implement commissg (14projects,1997,2004)
-Repsol Algeria:2001,2: global preparation of maintenance (manuals, CMMS,preventive
programs) and implementation
Operation start/Mainten engineering on projects (ram, manuals,CMMS, plans):25projects, Adglc,
Total, Nexen, Ranger, Straits, Philips, Medco, MOL, Atlantic LNG, Pan African, Can
Aslaska,...1999,2006
TIGF, 2009,10, Turbomach alg., maintenance /revamping works supervision

Power plant /mining project references in OM

-Burbo bank OM preparation:project offshore,uk, operator Dong, 50MW,

Cameco/Saskatchewan mines/Vale,metals, 2008

- Cameco mines: drills OM preparation (manuals, procedures, CMMS) and execution, 2010,12

-Glass Moor project onshore, uk,16MW, Cumbria Wind Farms operator, 2006,
commissioning/OM preparation, 2013, idem Tatneft refinery unit proj, 2014,Etruscan 2012,
Repsol

-Vertical Energy project,,2014, Von Roll ,Cofely (Europe): incineration projects,2000,1,
maintenance enging (reliability,manuals)

-Global OM managt: maintenance engineering, overhaul, inspection plan,
CMMSimplementation, spare management,procurement, Nimir, Devon, Agoco, .Challenger
drillg.2001,2003,

-Atlantic LNG, Angola,:spare part procurement/inspect:2011,13

-Pertamina,,mainten planning fo 2 LNG plants, 1998,2000

-GDFSuez thermal power: maintenance reengineering:Peru powergern 2005, Maroc,2010,
power plant Mexico,2002, Bombardier,2000,1

Braspetro, Lagoven, Inelectra ,Lavalin:CMMS implementation/maintenance planning,
2001,2009

GDF, On the job training of all production engineers (OMpreparation), 1999,2009

idem:Alstom, Renault, ojt OMpreparing

Nepa, Nigeria, Repsol ven, maintenance reengineering, CMMS implement,2000,2