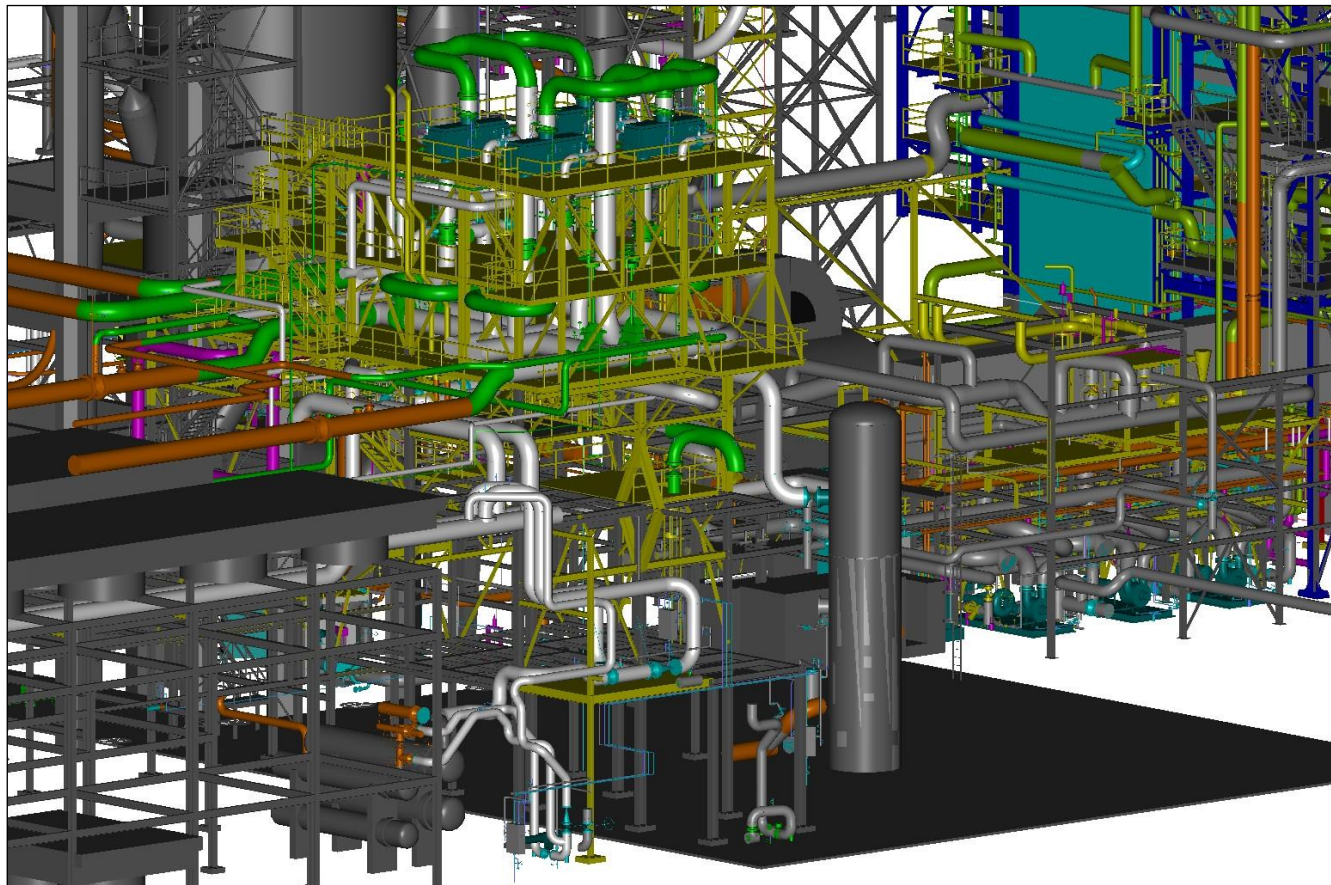


# idi

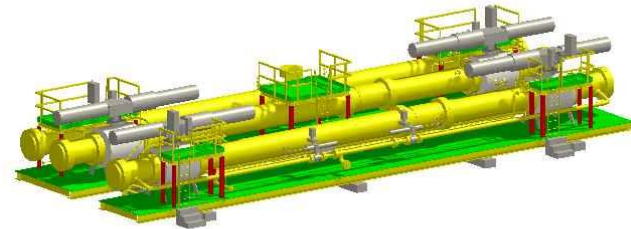
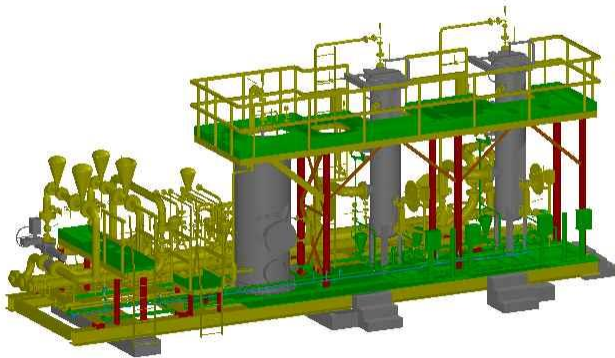
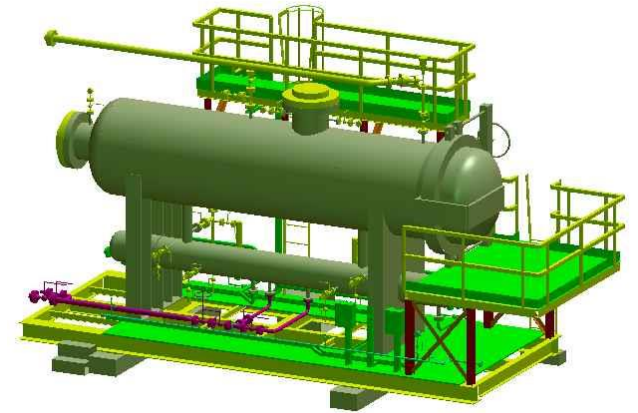
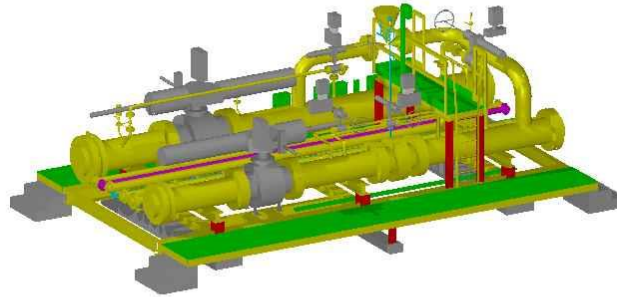
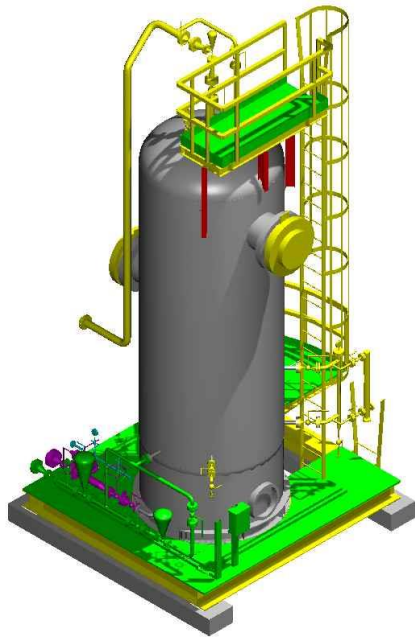
## INGEGNERIA DEGLI IDROCARBURI

Engineering & Construction Industrial Plants



2020

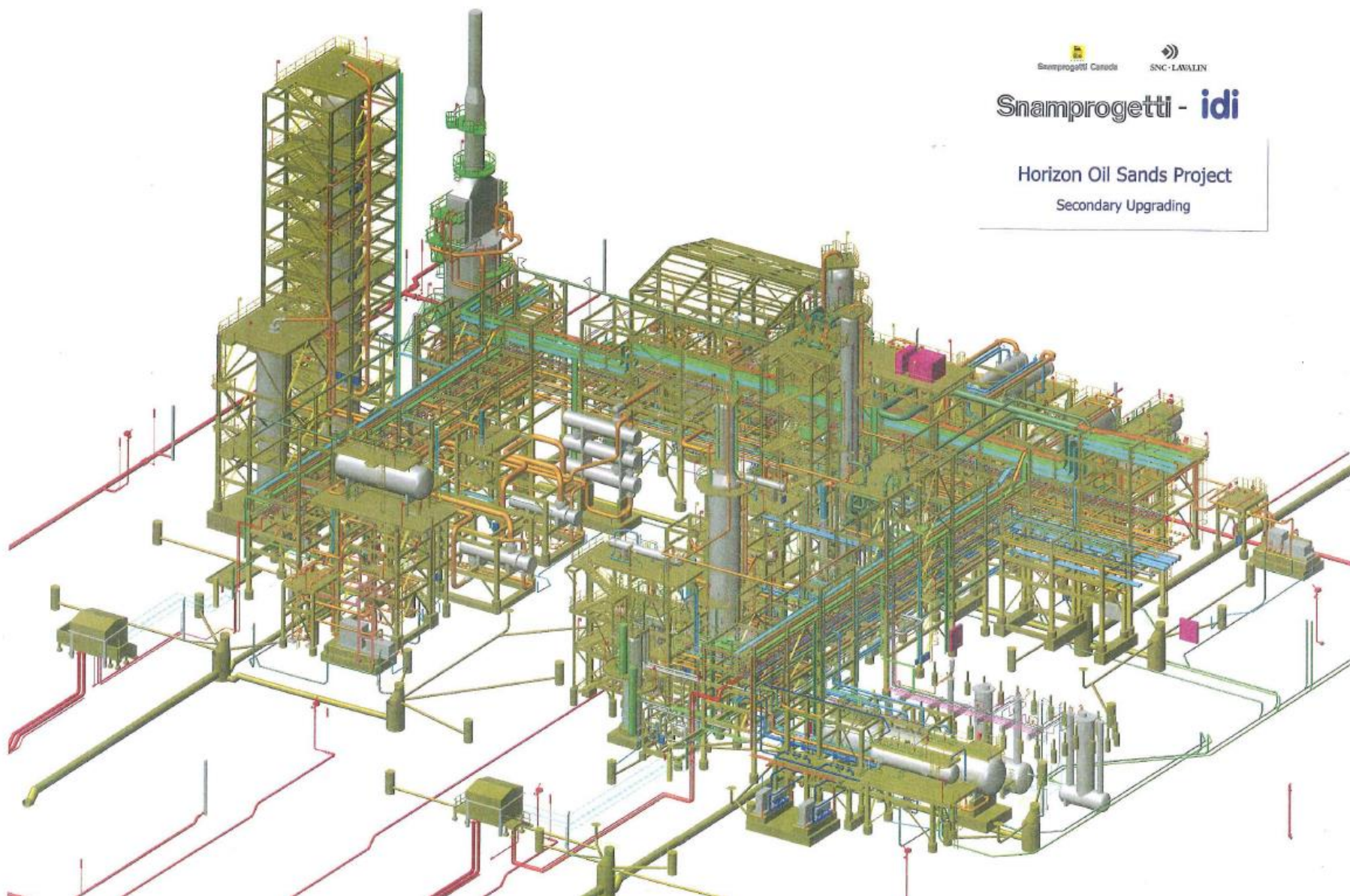




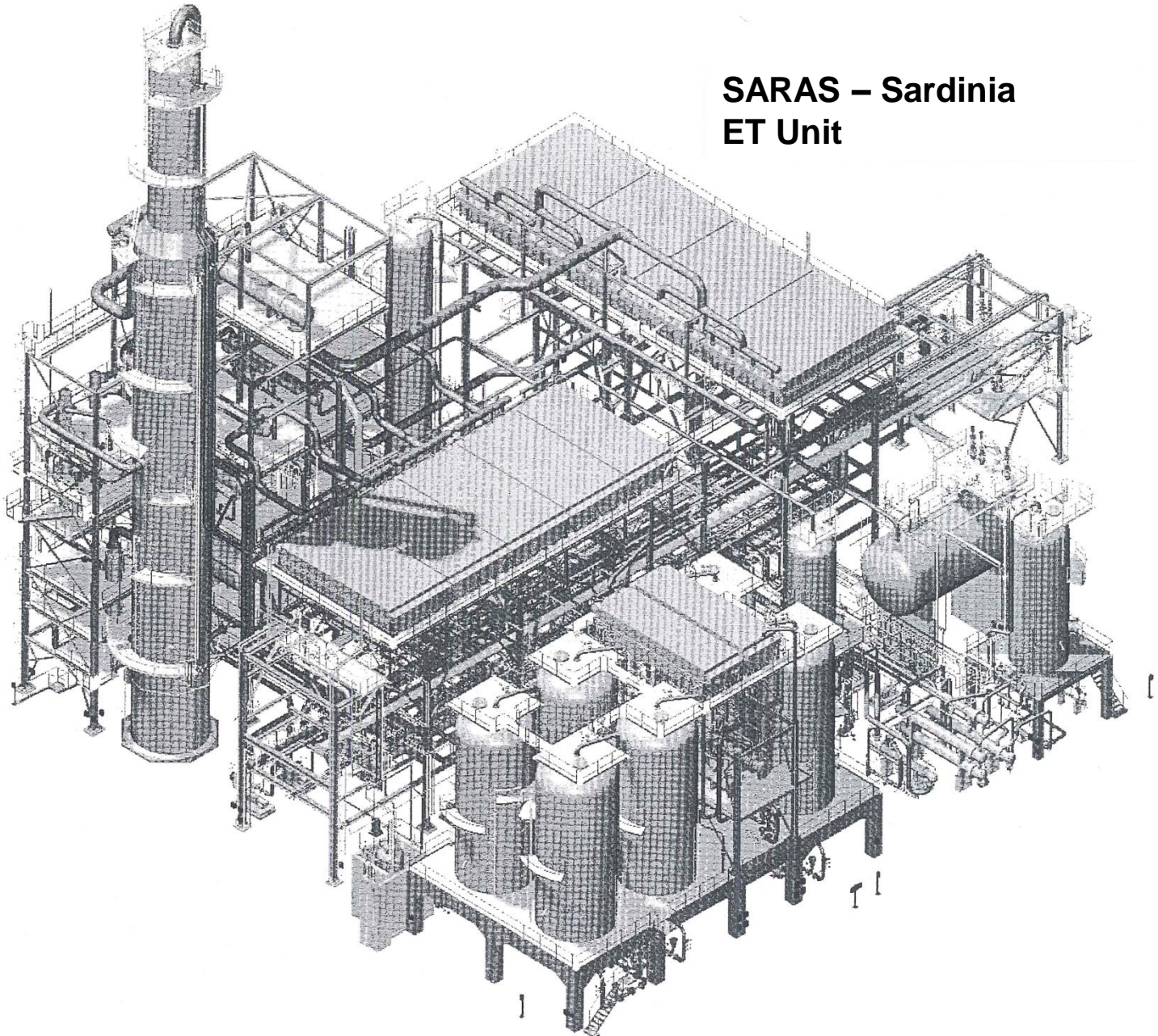


Snamprogetti - **idi**

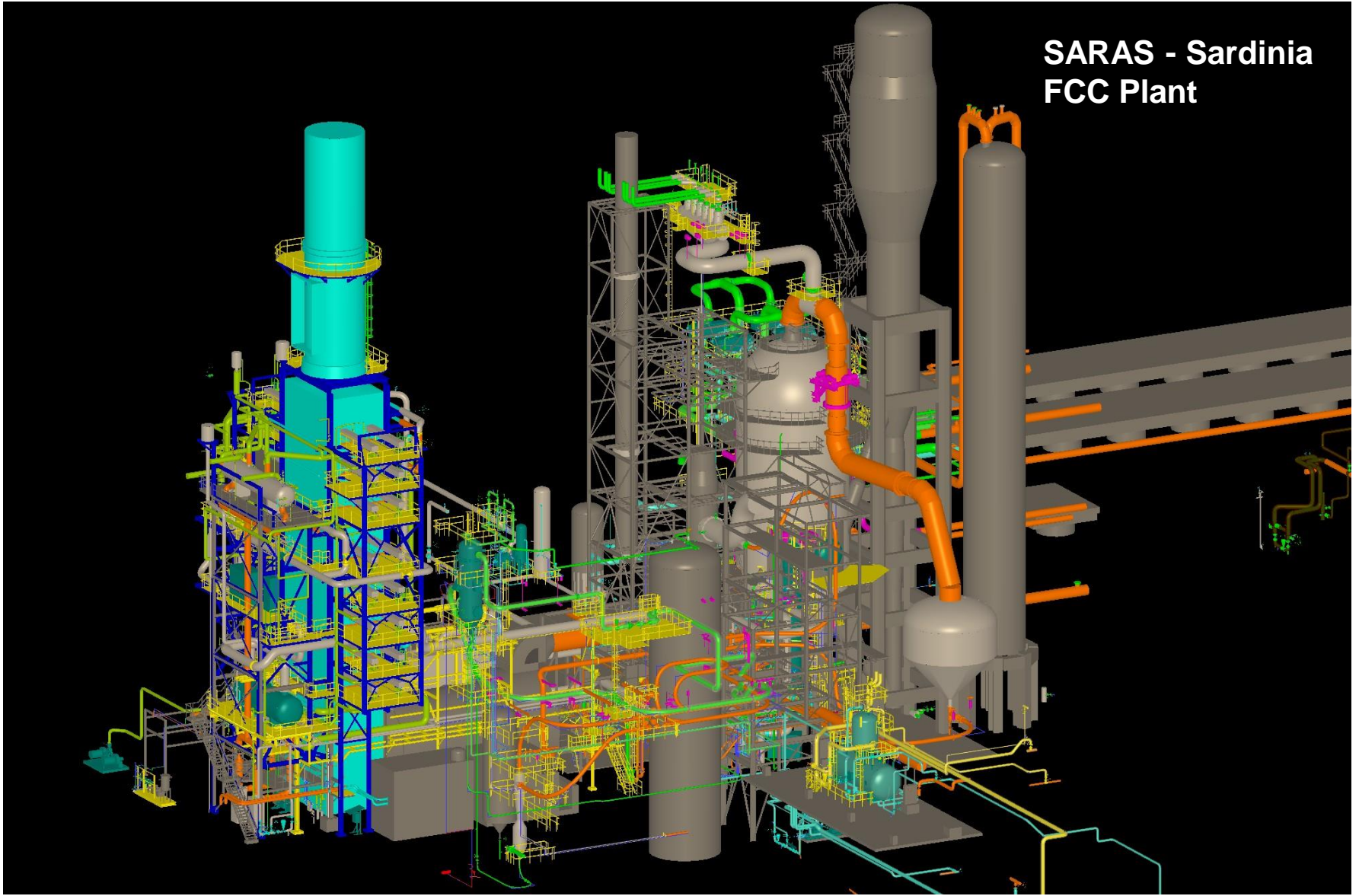
Horizon Oil Sands Project  
Secondary Upgrading



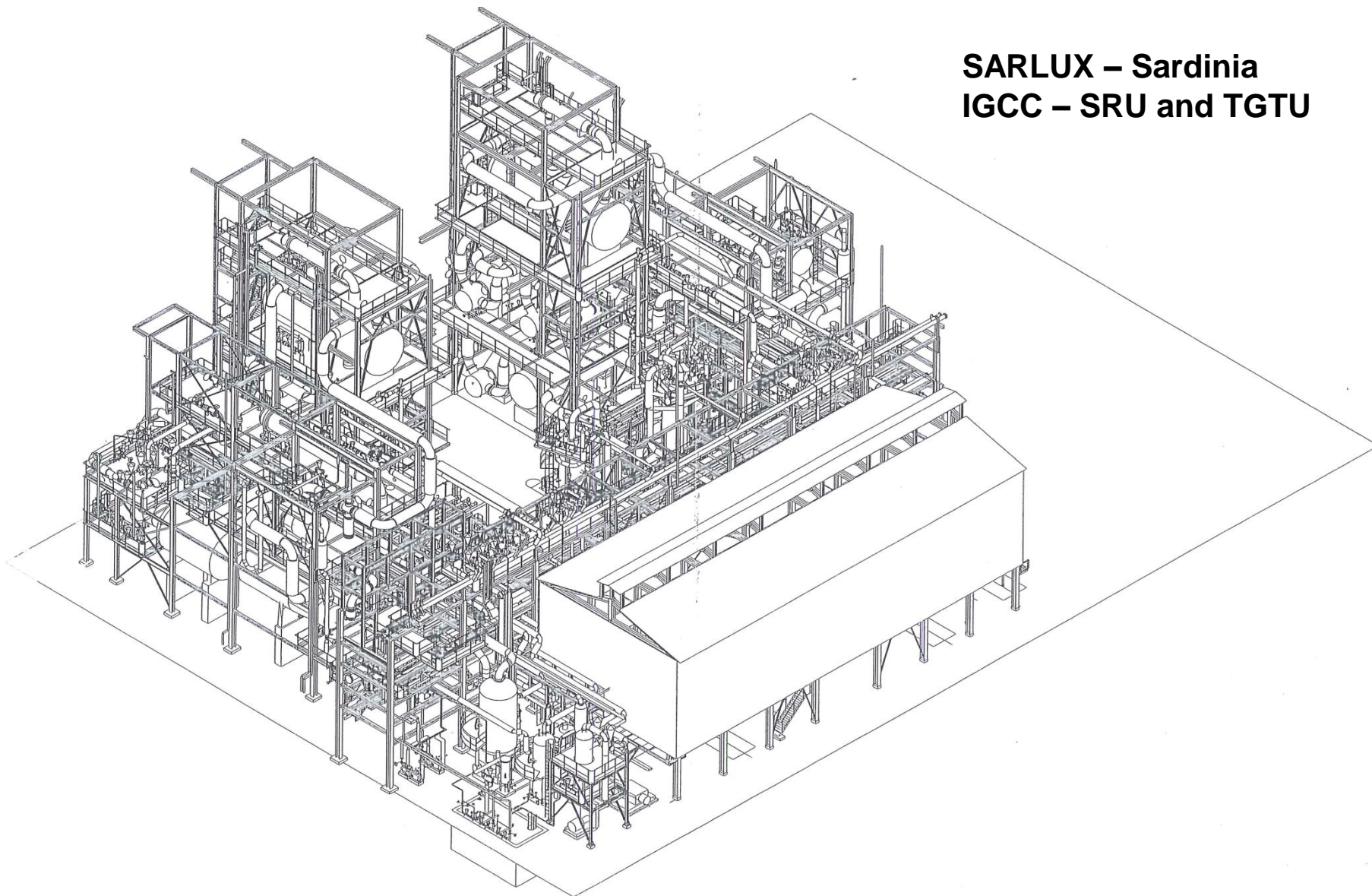
## SARAS – Sardinia ET Unit



# SARAS - Sardinia FCC Plant



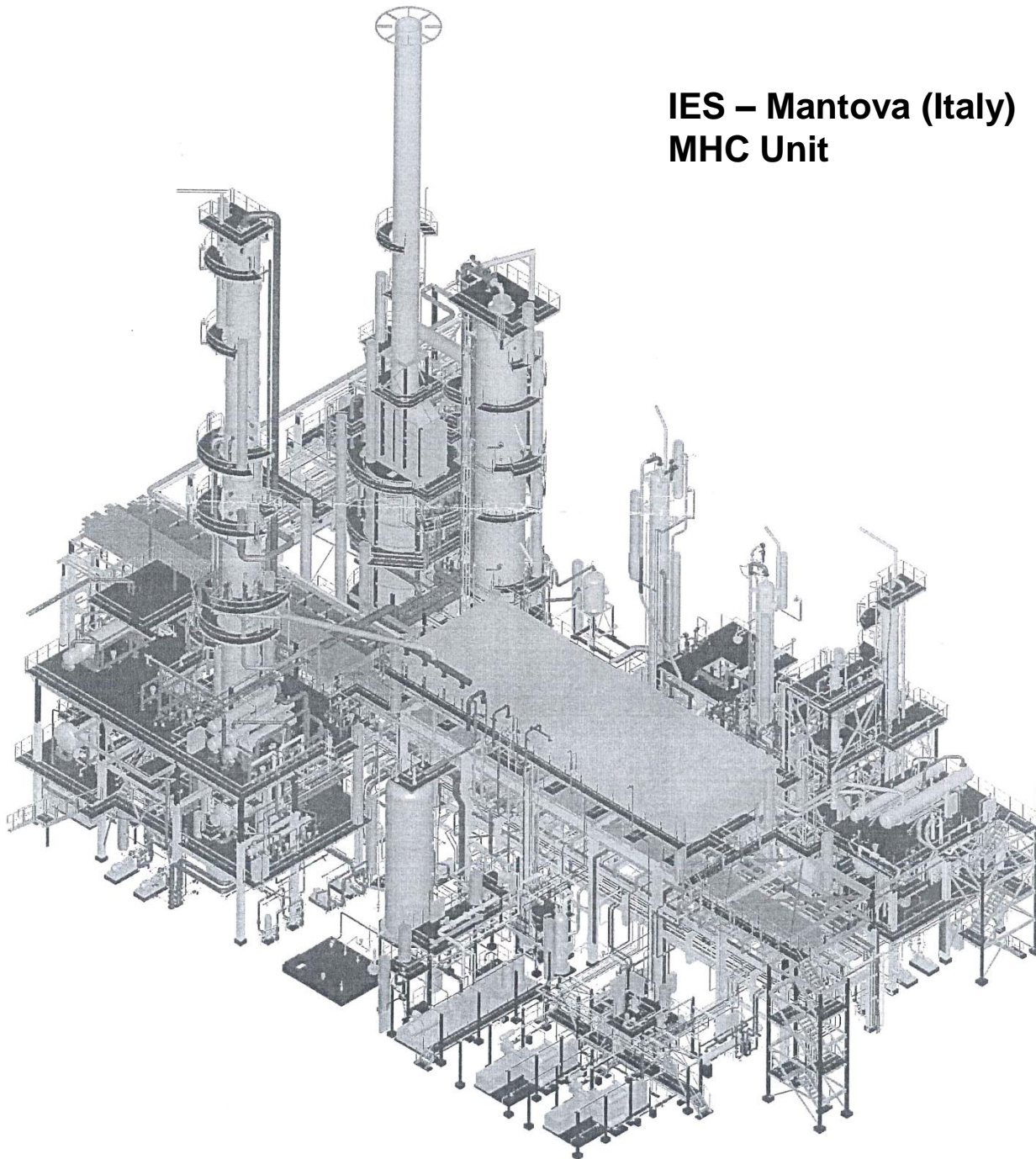
**SARLUX – Sardinia  
IGCC – SRU and TGTU**



**SAIPEM**  
**Generic FPSO Turret**



**IES – Mantova (Italy)  
MHC Unit**





SAIPEM - Brazil  
FPSO Cidade de Vitória



# CONTENT

**idi** ENGINEERING & CONSTRUCTION INDUSTRIAL PLANTS

- General Information
- Company Profile
- Iso 9001 Certified
- Company Activities
- Staff
- Manpower Resources
- Company Organization Chart
- Project Organization Chart
- Main Clients and Reference List

# GENERAL INFORMATION

Legal name	<b>idi</b> INGEGNERIA DEGLI IDROCARBURI
Legal form	Limited liability Company
Legal address	Via Boncompagni 3/b – 20139 Milano
Capital	€ 100.000,00
Establishing date	1970
Head & Technical office	Via Boncompagni 3/b – 20139 Milano
Telephone	+39.02.57403428 +39.02.57403413
Telefax	+39.02.55211257
E-mail	idimain@idispa.com

**idi** home offices is in Milan, plus a small task force located in Cagliari to give support to Saras local refinery engineering activities.

# ISO 9001 CERTIFIED



THE INTERNATIONAL CERTIFICATION NETWORK

## CERTIFICATE

SQS has issued an IQNet recognized certificate that the organization:

**IDI Ingegneria degli Idrocarburi S.r.l.**

Largo V Alpini, 1  
20145 Milano (MI)  
Italy

has implemented and maintains a

**Management System**

for the following scope(s):

**According to appendix SQS registration number H15467**

which fulfills the requirements of the following standard(s):

**ISO 9001:2015 Quality Management System**

Issued on: 2018-11-20

Expires on: 2021-09-14

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document

Registration Number: CH-H15467



*Alex Stoichitoiu*

Alex Stoichitoiu  
President of IQNet

*Felix Müller*

Felix Müller  
CEO SQS



## Certificate

SQS herewith certifies that the company named below has a management system which meets the requirements of the standard specified below.



INGEGNERIA DEGLI IDROCARBURI S.r.l.  
Progettazione e Costruzione Impianti Industriali

**IDI Ingegneria degli Idrocarburi S.r.l.**  
Largo V Alpini, 1  
20145 Milano (MI)  
Italy

Scope of certification

According to appendix

Field of activity

Multidiscipline engineering – management  
procurement services – construction supervision &  
start up assistance of industrial plants

Normative base

ISO 9001:2015

Quality Management System

Scope(s) 34

Validity 20.11.2018 – 14.09.2021  
Issue 20.11.2018

Req. no. H15467

*X. Edelmann*  
X. Edelmann, President SQS

*F. Müller*  
F. Müller, CEO SQS



Swiss Association for Quality and  
Management Systems SQS  
Bernstrasse 103, 3052 Zollikofen, Switzerland



IQNet Partners\*:  
AENOR Spain AFNOR Certification France APICER Portugal CCC Cyprus CISO Italy  
CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany FCAV Brazil  
FONDOFORMA Venezuela ICONTEC Colombia Inspecta Serttöimitt Oy Finland INTECO Costa Rica  
IRAN Angitana IQA Japan KPO Korea MIBTEC Greece MEZT Hungary Nensko AS Norway NSAI Ireland  
NYCE-SIGE Mexico PCBC Poland Quality Austria Austria RR Russia SII Israel SIQ Slovenia  
SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St. Petersburg Russia TSE Turkey YUQS Serbia  
IQNet is represented in the USA by: AFNOR Certification, CIBQ, DQS Holding GmbH and NSAI Inc.

\* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under [www.iqnet-certification.com](http://www.iqnet-certification.com)

# COMPANY ACTIVITIES

- **Process**
- **Oil, Gas & Water Pipelines And Networks**
- **Plant engineering and main items**
- **Civil works & structures**
- **Electric plants**
- **Instrumentation and control systems**
- **Project management**
- **Procurement**
- **Data processing**
- **Other Activities**

## PROCESS

- Process optimization and feasibility studies
- Process Flow Diagrams for process and utilities
- Heat and material balances
- Piping and Instrument Diagrams for process and utilities
- Process data sheets for process and utilities equipment including package plants
- Assistance to Clients for patented process purchase and application
- Process operating manuals
- Assistance to plant start up and troubleshooting

## OIL, GAS & WATER PIPELINES AND NETWORK

Fluids dynamic design  
Compression and pumping stations  
analysis and design  
Techno - economical evaluation  
Hot pipeline studies  
Topographic surveys of lines  
Detailed surveys for main crossings  
Detailed piping design (material,  
thickness, insulation, etc.)

## PLANT ENGINEERING AND MAIN ITEMS

- Study of general plot plan
- Detailed Piping and Instruments Diagrams (P&I), piping design specification
- Plant layouts, assembly drawings, isometrics, piping supports, etc.
- Piping material take - offs
- Piping Stress Analysis
- Equipment design according to international codes, including data sheets, purchasing specification and construction drawings
- Machinery detailed data sheets, technical evaluation and purchasing specification

## CIVIL WORKS & STRUCTURES

- Topographic surveys for site definition
- Earth moving studies
- Architectural and industrial design, including calculations, estimates and detailed drawings for:
  - Reinforced concrete buildings for cast and pre-cast construction
  - Machinery and equipment foundations
  - Steel structures
  - Sewers and drainage systems
  - Plants and basins for industrial waters treatment
  - Storage tanks foundations
  - Road and railways inside plant and connection to external grids
  - Bridges and crossings

## **ELECTRIC PLANTS**

- Electric balances
- Basic and detailed electric diagrams
- Development of techno - economical evaluations
- Detailed data sheets, technical evaluation and purchasing specification relevant to control boards, transformers, d.c. and a.c. motors, etc.
- Classification of hazardous areas according to international codes
- Network and ground lines study with relevant data sheets
- Lighting and communication plants

## **INSTRUMENTATION & CONTROL SYSTEMS**

Detailed Piping and Instruments Diagrams (P&I)  
Detailed data sheets for instruments, control and safety valves  
Instrument diagrams  
System automation and Process Control (DCS, PLC, etc.)  
Technical evaluation and purchasing specification



## PROJECT MANAGEMENT

- Client connection and contract managing
- Project coordination and control, particularly about planning, cost control and quality assurance, etc.

## PROCUREMENT

Offer enquiries, commercial evaluations, orders issues, etc; on the basis of the material requisitions coming from the Technical Departments

Vendor list issue

Market researches

Expediting

Shop inspection and testing

## IT DEPARTMENT

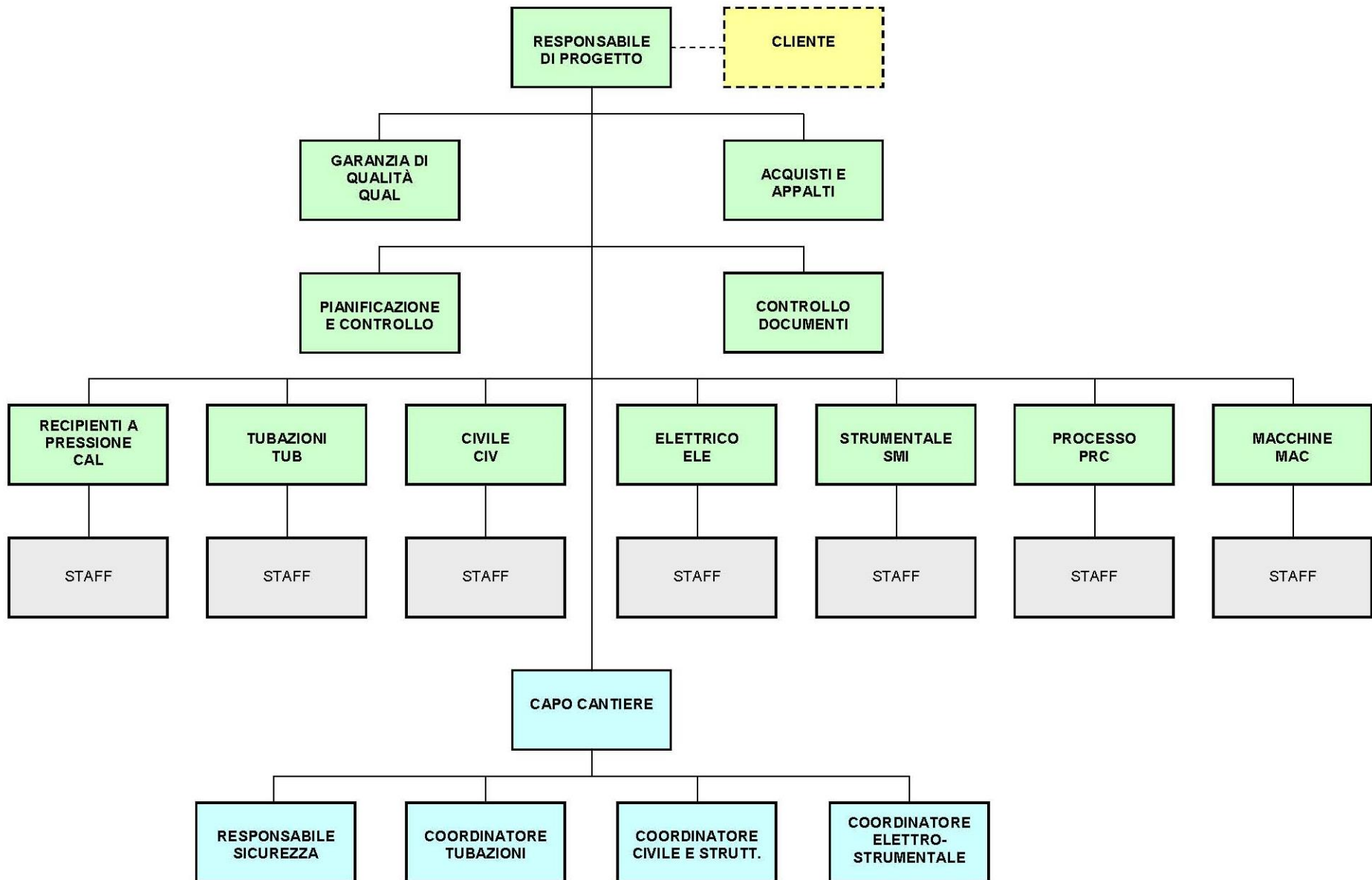
As a support of technical and managing activities, **idi** avails itself of a proper IT Department, with its own engineers and Information Technology experts for:

- Software development and Technical Information Management of packages according to the company organization chart and to end user working systems
- Software interface procedures to Customers' systems or to third party programs

## OTHER ACTIVITIES

- Supply of Oil & Gas and Petrochemicals Process and Utilities skid-mounted system
- Operating, mechanical and maintenance manuals production
- General and detailed specifications for field erection contracts (civil, mechanical, electric and instrumental works)
- Technical assistance during erection, testing and start-up of process plant
- Control services and document preparation to get CE marking according to D.L. N. 93 dated 25/02/00 and European Law 97/23/CE (Pressure Equipment Directive) including, where required by Customer, role of PED Manufacturer.

# PROJECT ORGANIZATION CHART



# MAIN CUSTOMERS (1/2)

Iplom S.p.A.	
Saras S.p.A.	
Sarlux S.r.l.	
SiirtecNigi	
Tamoil SA	
Sices Construction S.p.A.	
Erg petroli S.p.A.	
Saipem S.p.A.	
Snamprogetti S.p.A.	
Tecnomare S.p.A.	

## MAIN CUSTOMERS (2/2)

Abb	
Eni div. Agip S.p.A.	
Dupont corp	
Kti S.p.A.	
Lurgi S.p.A.	
Fortum – Neste Engineering	
Paragon Litwin	
Tectubi raccordi S.p.A.	
U.R.S.	
Bonatti Group	

# REFERENCES

2017



Descrizione Progetto	I.V.I. Petrolifera – Ampliamento Dep. Costiero di Santa Giulia (OR)
Località	ITALY
Tipo di Contratto	Ingegneria di dettaglio processo e calcoli valvole
Ore	1.000
Discipline	PRC, SMI, MGT



SARLUX S.r.l.

Descrizione Progetto	Studio di fattibilità sostituzione colonna T1
Località	ITALY
Tipo di Contratto	Ingegneria di base e stima investimento
Ore	2.500
Discipline	PRC, TUB, CIV, ELE, SMI, MGT



SARLUX S.r.l.

Descrizione Progetto	Studio di base linee CW 36" -sostituz. Linee interrattate
Località	ITALY
Tipo di Contratto	Ingegneria di base - rilievi
Ore	1.500
Discipline	PRC, TUB, CIV, ELE, SMI, MGT

PRC: PROCESS

ELE: ELECTRICAL

MGT: MANAGEMENT

TUB: PIPING

SMI: INSTRUMENTAL

ACQ: PURCHASING

CIV: CIVIL

PED: PED

IT: INFORMATION TECHNOLOGY

# REFERENCES

2017



SARLUX S.r.l.

Descrizione Progetto	Studio di fatt. Install. fibre ottiche monitoraggio temperature Gassif. IGCC
Località	ITALY
Tipo di Contratto	Studio di fattibilità e
Ore	400
Discipline	PRC, SMI, MGT



SARLUX S.r.l.

Descrizione Progetto	Studio di Base & Stima Investimento Nuovo Serbatoio in sost. vasca MS-18
Località	ITALY
Tipo di Contratto	Ingegneria di base e stima investimento
Ore	2.200
Discipline	PRC, TUB, CIV, ELE, SMI, MGT



SARLUX S.r.l.

Descrizione Progetto	Ingegneria di dettaglio Stazione Antincendio P.S.O.
Località	ITALY
Tipo di Contratto	Ingegneria di dettaglio
Ore	4.000
Discipline	PRC, TUB, CIV, ELE, SMI, MGT

PRC: PROCESS	ELE: ELECTRICAL	MGT: MANAGEMENT
TUB: PIPING	SMI: INSTRUMENTAL	ACQ: PURCHASING
CIV: CIVIL	PED: PED	IT: INFORMATION TECHNOLOGY

# REFERENCES

2017



SARLUX S.r.l.

Descrizione Progetto	<b>Studio di Fattibilità per Verifica Polmonazione Serbatoi</b>
Località	<b>ITALY</b>
Tipo di Contratto	<b>Studio di Fattibilità e relazione di calcolo</b>
Ore	<b>600</b>
Discipline	<b>PRC, SMI, MGT</b>



SARLUX S.r.l.

Descrizione Progetto	<b>Studio di Fattibilità di Processo e Stima di Investimento per Bunkerizzazione Pontile Sud.</b>
Località	<b>ITALY</b>
Tipo di Contratto	<b>Studio di base e stima investimento</b>
Ore	<b>800</b>
Discipline	<b>PRC, TUB, CIV, ELE, SMI, MGT</b>

*BEA Technologies*

Descrizione Progetto	<b>Verifica di Processo – BS VI PROJECT BONGAIGAON REFINERY BEA TECHNOLOGIES</b>
Località	<b>ITALY</b>
Tipo di Contratto	<b>Studio di Processo</b>
Ore	<b>200</b>
Discipline	<b>PRC</b>

PRC: PROCESS

ELE: ELECTRICAL

MGT: MANAGEMENT

TUB: PIPING

SMI: INSTRUMENTAL

ACQ: PURCHASING

CIV: CIVIL

PED: PED

IT: INFORMATION TECHNOLOGY



# REFERENCES

2016



SARLUX S.r.l.

Descrizione Progetto	<b>Ing. di base Nuovi serbatoi ST209/ST210</b>
Località	<b>ITALY</b>
Tipo di Contratto	<b>FEASIBILITY STUDY</b>
Ore	<b>3.700</b>
Discipline	<b>PRC, TUB, CIV, ELE, SMI, MGT</b>



SARLUX S.r.l.

Descrizione Progetto	<b>Ing. di base Adeguamento serbatoi ST21/ST22</b>
Località	<b>ITALY</b>
Tipo di Contratto	<b>FEASIBILITY STUDY</b>
Ore	<b>3.100</b>
Discipline	<b>PRC, TUB, CIV, ELE, SMI, MGT</b>



SARLUX S.r.l.

Descrizione Progetto	<b>Ing. di dettaglio Ristrutturazione vasche API Processo</b>
Località	<b>ITALY</b>
Tipo di Contratto	<b>DETAIL ENGINEERING</b>
Ore	<b>4.200</b>
Discipline	<b>PRC, TUB, CIV, ELE, SMI, MGT</b>

PRC: PROCESS	ELE: ELECTRICAL	MGT: MANAGEMENT
TUB: PIPING	SMI: INSTRUMENTAL	ACQ: PURCHASING
CIV: CIVIL	PED: PED	IT: INFORMATION TECHNOLOGY

# REFERENCES

2016



SARLUX S.r.l.

Descrizione Progetto	<b>Nuovo serbatoio ST96 TAR</b>
Località	<b>ITALY</b>
Tipo di Contratto	<b>FEASIBILITY STUDY, BUDGET &amp; BASIC DESIGN</b>
Ore	<b>4.000</b>
Discipline	<b>PRC, TUB, CIV, ELE, SMI, MGT</b>



SARLUX S.r.l.

Descrizione Progetto	<b>Ricicli pompe sala pompe carica Topping</b>
Località	<b>ITALY</b>
Tipo di Contratto	<b>DETAIL ENGINEERING</b>
Ore	<b>1.600</b>
Discipline	<b>PRC, TUB, CIV, ELE, SMI, MGT</b>



SARLUX S.r.l.

Descrizione Progetto	<b>Adeguamento Manifold ST21/ST22</b>
Località	<b>ITALY</b>
Tipo di Contratto	<b>DETAIL ENGINEERING</b>
Ore	<b>1.700</b>
Discipline	<b>PRC, TUB, CIV, ELE, SMI, MGT</b>

PRC: PROCESS

ELE: ELECTRICAL

MGT: MANAGEMENT

TUB: PIPING

SMI: INSTRUMENTAL

ACQ: PURCHASING

CIV: CIVIL

PED: PED

IT: INFORMATION TECHNOLOGY

# REFERENCES

2016



SARLUX S.r.l.

Descrizione Progetto	<b>Ing. di base Nuova GR e adeguamento parco grezzi</b>
Località	<b>ITALY</b>
Tipo di Contratto	<b>BASIC DESIGN</b>
Ore	<b>2.500</b>
Discipline	<b>PRC, TUB, CIV, ELE, SMI, MGT</b>



SARLUX S.r.l.

Descrizione Progetto	<b>Nuovo impianto solidificazione Zolfo</b>
Località	<b>ITALY</b>
Tipo di Contratto	<b>DETAIL ENGINEERING</b>
Ore	<b>3.000</b>
Discipline	<b>PRC, TUB, CIV, ELE, SMI, MGT</b>



SARLUX S.r.l.

Descrizione Progetto	<b>Ing. di dettaglio inserimento compressore S40-W10 N</b>
Località	<b>ITALY</b>
Tipo di Contratto	<b>DETAIL ENGINEERING</b>
Ore	<b>2.400</b>
Discipline	<b>PRC, TUB, CIV, ELE, SMI, MGT</b>

PRC: PROCESS	ELE: ELECTRICAL	MGT: MANAGEMENT
TUB: PIPING	SMI: INSTRUMENTAL	ACQ: PURCHASING
CIV: CIVIL	PED: PED	IT: INFORMATION TECHNOLOGY

# REFERENCES

2015



SARLUX S.r.l.

Descrizione Progetto	<b>Linea vapore MP riutilizzo linea HS1</b>
Località	<b>ITALY</b>
Tipo di Contratto	<b>DETAIL ENGINEERING</b>
Ore	<b>1.500</b>
Discipline	<b>PRC, TUB, CIV, ELE, SMI, MGT</b>



SARLUX S.r.l.

Descrizione Progetto	<b>Vasche API Processo</b>
Località	<b>ITALY</b>
Tipo di Contratto	<b>FEASIBILITY STUDY</b>
Ore	<b>1.500</b>
Discipline	<b>PRC, TUB, CIV, ELE, SMI, MGT</b>



SARLUX S.r.l.

Descrizione Progetto	<b>Nuovo compressore ammoniacca S40-W10</b>
Località	<b>ITALY</b>
Tipo di Contratto	<b>BASIC DESIGN</b>
Ore	<b>1.500</b>
Discipline	<b>PRC, TUB, CIV, ELE, SMI, MGT</b>

PRC: PROCESS	ELE: ELECTRICAL	MGT: MANAGEMENT
TUB: PIPING	SMI: INSTRUMENTAL	ACQ: PURCHASING
CIV: CIVIL	PED: PED	IT: INFORMATION TECHNOLOGY

# REFERENCES

2014



**SARLUX S.P.A.**

Job Description	<b>HIGH PRESSURE STEAM HEADER</b>
Site	<b>ITALY</b>
Contract	<b>DETAIL ENGINEERING</b>
Man Hours	<b>8.000</b>
Disciplines	<b>PRC, PIP, CIV, ELE, SMI, MGT</b>



**SARLUX S.P.A.**

Job Description	<b>MIXED BED REGENERATION SKID</b>
Site	<b>ITALY</b>
Contract	<b>DETAIL ENGINEERING</b>
Man Hours	<b>2.500</b>
Disciplines	<b>PRC, PIP, CIV, ELE, SMI, MGT</b>



**SARLUX S.P.A.**

Job Description	<b>H2 PSA REVAMPING</b>
Site	<b>ITALY</b>
Contract	<b>FEASIBILITY STUDY</b>
Man Hours	<b>900</b>
Disciplines	<b>PRC, PIP, CIV, ELE, SMI, MGT</b>

PRC: PROCESS

ELE: ELECTRICAL

MGT: MANAGEMENT

PIP: PIPING

SMI: INSTRUMENTAL

ACQ: PURCHASING

CIV: CIVIL

PED: PED

IT: INFORMATION TECHNOLOGY

# REFERENCES

2013



**SARLUX S.P.A.**

Job Description	<b>MHC PLANT ENERGY RECOVERY</b>
Site	<b>ITALY</b>
Contract	<b>DETAIL ENGINEERING</b>
Man Hours	<b>3.000</b>
Disciplines	<b>PRC, PIP, CIV, ELE, SMI, MGT</b>



**SARLUX S.P.A.**

Job Description	<b>RT1-T1 COMPRESSOR SUBSTITUTION</b>
Site	<b>ITALY</b>
Contract	<b>BASIC DESIGN</b>
Man Hours	<b>3.500</b>
Disciplines	<b>PRC, PIP, CIV, ELE, SMI, MGT</b>

PRC: PROCESS	ELE: ELECTRICAL	MGT: MANAGEMENT
PIP: PIPING	SMI: INSTRUMENTAL	ACQ: PURCHASING
CIV: CIVIL	PED: PED	IT: INFORMATION TECHNOLOGY

# REFERENCES

2012



**TAMOIL SA**

Job Description	<b>R2R REVAMPING FCC</b>
Site	<b>SWITZERLAND</b>
Contract	<b>DETAIL ENGINEERING</b>
Man Hours	<b>8.000</b>
Disciplines	<b>PRC, PIP, CIV, SMI, MGT, ACQ</b>



**SARAS S.P.A.**

Job Description	<b>MHC1-MHC2 FRACTIONATION REVAMPING</b>
Site	<b>ITALY</b>
Contract	<b>DETAIL ENGINEERING</b>
Man Hours	<b>14.000</b>
Disciplines	<b>PRC, PIP, CIV, ELE, SMI, MGT, ACQ</b>

PRC: PROCESS

ELE: ELECTRICAL

MGT: MANAGEMENT

PIP: PIPING

SMI: INSTRUMENTAL

ACQ: PURCHASING

CIV: CIVIL

PED: PED

IT: INFORMATION TECHNOLOGY

# REFERENCES

2011



SAIPEM S.P.A.

Job Description	CHEMICAL INJECTION MODULE
Site	BRAZIL
Contract	DETAIL ENGINEERING
Man Hours	5.000
Disciplines	PRC, PIP, SMI, MGT



SAIPEM S.P.A.

Job Description	FPSO BLOCK 32
Site	ANCONA
Contract	BASIC DESIGN
Man Hours	12.000
Disciplines	PIP



TAMOIL CR

Job Description	PIPELINE RECEIVAL REVAMPING
Site	CREMONA
Contract	DETAIL ENGINEERING
Man Hours	7.500
Disciplines	PIP, CIV, MGT, ACQ

PRC: PROCESS	ELE: ELECTRICAL	MGT: MANAGEMENT
PIP: PIPING	SMI: INSTRUMENTAL	ACQ: PURCHASING
CIV: CIVIL	PED: PED	IT: INFORMATION TECHNOLOGY



# REFERENCES

2011



**BONATTI**

Job Description	MELLITA PLANT MODIFICATION (BYPASS INSTALLATION)
Site	LIBYA
Contract	DETAIL ENGINEERING
Man Hours	4.000
Disciplines	PRC, PIP, CIV, ELE, SMI, MGT, ACQ



**SiirtecNigi**

Job Description	KASHAGAN PROJECT - BARGE 6
Site	KAZAKISTAN
Contract	DETAIL ENGINEERING
Man Hours	3.000
Disciplines	PIP, CIV

PRC: PROCESS

ELE: ELECTRICAL

MGT: MANAGEMENT

PIP: PIPING

SMI: INSTRUMENTAL

ACQ: PURCHASING

CIV: CIVIL

PED: PED

IT: INFORMATION TECHNOLOGY

# REFERENCES

2010



TAMOIL SA

Job Description	CATALYST DENOX UNIT
Site	SWITZERLAND
Contract	DETAIL ENGINEERING
Man Hours	10.000
Disciplines	PRC, PIP, CIV, ELE, SMI, MGT, ACQ



SAIPEM S.P.A.

Job Description	REFUGE BARGE
Site	KAZAKISTAN
Contract	DETAIL ENGINEERING
Man Hours	15.000
Disciplines	PRC, PIP, CIV



IPLOM S.p.A.

Job Description	REVAMPING SWS - VACUUM DRYER
Site	ITALY
Contract	DETAIL ENGINEERING
Man Hours	25.000
Disciplines	PRC, PIP, CIV, ELE, SMI, MGT, ACQ



SICES Constuctio

Job Description	INCINERATOR ENERGY RECOVERY (PARMA)
Site	ITALY
Contract	DETAIL ENGINEERING
Man Hours	10.000
Disciplines	PRC, PIP, CIV, ELE, SMI, MGT

PRC: PROCESS

ELE: ELECTRICAL

MGT: MANAGEMENT

PIP: PIPING

SMI: INSTRUMENTAL

ACQ: PURCHASING

CIV: CIVIL

PED: PED

IT: INFORMATION TECHNOLOGY

# REFERENCES

2009



SARAS S.P.A.

Job Description	UHDE HYDROGEN PLANT
Site	ITALY
Contract	DETAIL ENGINEERING
Man Hours	65.000
Disciplines	PRC, PIP, CIV, ELE, SMI, MGT, ACQ, PED



SAIPEM S.P.A.

Job Description	FPSO AQUILA
Site	ITALY
Contract	DETAIL ENGINEERING
Man Hours	25.000
Disciplines	PRC, PIP, CIV

PRC: PROCESS	ELE: ELECTRICAL	MGT: MANAGEMENT
PIP: PIPING	SMI: INSTRUMENTAL	ACQ: PURCHASING
CIV: CIVIL	PED: PED	IT: INFORMATION TECHNOLOGY

# REFERENCES

2008



**SARAS S.P.A.**

Job Description	<b>FCC REVAMPING CATALYST COOLER</b>
Site	<b>ITALY</b>
Contract	<b>BASIC &amp; DETAIL ENGINEERING</b>
Man Hours	<b>75.000</b>
Disciplines	<b>PRC, PIP, CIV, ELE, SMI, MGT, ACQ, PED</b>



**SAIPEM S.P.A.**

Job Description	<b>FPSO VITORIA</b>
Site	<b>BRAZIL</b>
Contract	<b>DETAIL ENGINEERING</b>
Man Hours	<b>30.000</b>
Disciplines	<b>PIP, PRC, CIV, SMI, MGT</b>

PRC: PROCESS

ELE: ELECTRICAL

MGT: MANAGEMENT

PIP: PIPING

SMI: INSTRUMENTAL

ACQ: PURCHASING

CIV: CIVIL

PED: PED

IT: INFORMATION TECHNOLOGY

# REFERENCES

2007



**SARLUX s.r.l.**

Job Description	<b>HYDROGEN IMPROVEMENT</b>
Site	<b>ITALY</b>
Contract	<b>DETAIL ENGINEERING</b>
Man Hours	<b>21.000</b>
Disciplines	<b>PRC, PIP, CIV, ELE, SMI, MGT, ACQ</b>



**TAMOIL SA**

Job Description	<b>FCC - REACTOR RISER INJECTORS</b>
Site	<b>SWITZERLAND</b>
Contract	<b>DETAIL ENGINEERING</b>
Man Hours	<b>10.000</b>
Disciplines	<b>PRC, PIP, CIV, ELE, SMI, MGT, ACQ</b>



**SARLUX s.r.l.**

Job Description	<b>TECHNICAL DOCUMENTATION MANAGEMENT</b>
Site	<b>ITALY</b>
Contract	<b>SOFTWARE DEVELOPMENT</b>
Man Hours	<b>15.000</b>
Disciplines	<b>IT</b>

PRC: PROCESS

ELE: ELECTRICAL

MGT: MANAGEMENT

PIP: PIPING

SMI: INSTRUMENTAL

ACQ: PURCHASING

CIV: CIVIL

PED: PED

IT: INFORMATION TECHNOLOGY

# REFERENCES

2007



**SARAS S.P.A.**

Job Description	<b>SEA WATER HEADER</b>
Site	<b>ITALY</b>
Contract	<b>DETAIL ENGINEERING</b>
Man Hours	<b>6.000</b>
Disciplines	<b>PRC, PIP, CIV, MGT, ACQ</b>



**Snamprogetti**

**SNAMPROGETTI**

Job Description	<b>QATOFIN 450.000 MTPY - LLDPE</b>
Site	<b>QATAR</b>
Contract	<b>DETAIL ENGINEERING</b>
Man Hours	<b>52.000</b>
Disciplines	<b>PIP, CIV, ELE, MGT, ACQ</b>

PRC: PROCESS

ELE: ELECTRICAL

MGT: MANAGEMENT

PIP: PIPING

SMI: INSTRUMENTAL

ACQ: PURCHASING

CIV: CIVIL

PED: PED

IT: INFORMATION TECHNOLOGY

# REFERENCES

2006



**SNAMPROGETTI**

Job Description	<b>CNRL CANADA MHC OIL SANDS</b>
Site	<b>CANADA</b>
Contract	<b>DETAIL ENGINEERING</b>
Man Hours	<b>65.000</b>
Disciplines	<b>PIP, CIV, ELE, SMI, MGT</b>



**SAIPEM S.P.A.**

Job Description	<b>FPSO VITORIA - FLARE &amp; LAYOUT</b>
Site	<b>BRAZIL</b>
Contract	<b>DETAIL ENGINEERING</b>
Man Hours	<b>18.000</b>
Disciplines	<b>PRC, PIP, CIV, ELE, SMI, MGT</b>



**SARLUX s.r.l.**

Job Description	<b>TECHNICAL DOCUMENTATION MANAGEMENT</b>
Site	<b>ITALY</b>
Contract	<b>DETAIL ENGINEERING</b>
Man Hours	<b>10.000</b>
Disciplines	<b>IT</b>



**SAIPEM S.P.A.**

Job Description	<b>FPSO - GAS GOLFINHO 4</b>
Site	<b>ITALY</b>
Contract	<b>DETAIL ENGINEERING</b>
Man Hours	<b>15.000</b>
Disciplines	<b>PRC, PIP, ELE, MGT, ACQ</b>

PRC: PROCESS	ELE: ELECTRICAL	MGT: MANAGEMENT
PIP: PIPING	SMI: INSTRUMENTAL	ACQ: PURCHASING
CIV: CIVIL	PED: PED	IT: INFORMATION TECHNOLOGY

# REFERENCES

2006



SAIPEM S.P.A.

Job Description	<b>GIMBOA FPSO</b>
Site	<b>ITALY</b>
Contract	<b>BASIC DESIGN</b>
Man Hours	<b>4.000</b>
Disciplines	<b>PIP, PRC, SMI, MGT</b>



SAIPEM S.P.A.

Job Description	<b>LNG CARRIER - REGASSIFICATION PLANT</b>
Site	<b>ITALY</b>
Contract	<b>Basic and piping studies</b>
Man Hours	<b>5.000</b>
Disciplines	<b>PIP, PRC, SMI, MGT</b>



SEI

Job Description	<b>GIMBOA</b>
Site	<b>ANGOLA</b>
Contract	<b>DETAIL ENGINEERING</b>
Man Hours	<b>4.500</b>
Disciplines	<b>PIP, PRC, SMI, MGT</b>

PRC: PROCESS	ELE: ELECTRICAL	MGT: MANAGEMENT
PIP: PIPING	SMI: INSTRUMENTAL	ACQ: PURCHASING
CIV: CIVIL	PED: PED	IT: INFORMATION TECHNOLOGY