



# COMPANY PRESENTATION

**Saldimpianti Engineering Oil & Gas Construction**

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# I. GENERAL INFORMATION

## Saldimpianti Engineering Oil & Gas Construction

## I. GENERAL INFORMATION: HISTORY

Saldimpianti was founded by the will and determination of Romeo Ingrosso whose expertise originates from a long- standing large plant construction experience in the Industrial Field with renowned Companies and Multinational Groups. The Company is headquartered and operates in the Industrial area in Tortolì, on the East Coast of Sardinia, in Italy. The fast pace of urbanization, the geographical position and the vicinity of the Port of Arbatax makes it a national strategic location overlooking the Mediterranean Sea undergoing a great development. The infrastructures are located on an area of 50,000 square meter, 4,000 square meter of which are covered and served with Plants, equipment and technically productive state-of-the-art machinery. Our Company operates in the Industrial, Metal-Mechanical Plant Engineering Sector, with particular focus in Engineering, Procurements and Construction for Upstream to Downstream Projects. Today our Company counts about 600 resources. Thanks to investments allocated to staff training, we can boast specific expertise for each production sector. Our goal is to anticipate the market developments, cooperating with great professionalism and reliability with renowned Groups in order to acquire large-scale international reputation.





## I. GENERAL INFORMATION: QHSE MANAGEMENT SYSTEM

The Saldimpianti QHSE Management System is established, implemented, maintained and continuously improved in compliance with the requirements of the ISO 9001, ISO 14001, ISO 45001, ISO 3834-2, ISO 1090





## I. GENERAL INFORMATION: HSE COMMITMENT

### Saldimpianti is committed to a zero incident culture

- ❖ Promotes proactive HSE leadership in all our activities
- ❖ Demonstrates commitment to creating a positive HSE team culture and personal responsibility

### Saldimpianti core belief is that all incidents are preventable by:

- ❖ Eliminating or minimizing hazards
- ❖ Use of safe procedures including design practices
- ❖ Use of proper equipment
- ❖ Training and education
- ❖ Motivation to work safety
- ❖ Continual improvement



## I. GENERAL INFORMATION: QUALITY COMMITMENT

The Saldimpianti Group, as defined in its Corporate Mission, is strongly committed to attaining the highest Quality Standards in the execution of its activities, also guaranteeing continuous improvement.

In order to attain goals, the Administration of Saldimpianti guarantees the availability of human, financial and technical resources, and commits itself to supplying products and services compliant to the foreseen use, to all the request in terms of quality, and to all applicable standards and codes.



## I. GENERAL INFORMATION: POLICY

Since the beginning the Administration of Saldimpianti has considered the needs and expectations of its customers in defining the quality policy and consequently has defined quality objectives, in line with the scope of the organisation. The administration is committed to implement the Quality Policy and consequently has defined quality objectives, in line with the scope of the organization.

The administration is committed to implement the Quality Policy and enforcing it among its staff, who must respect it and apply it to their tasks and responsibilities.



## I. GENERAL INFORMATION: OBJECTIVES

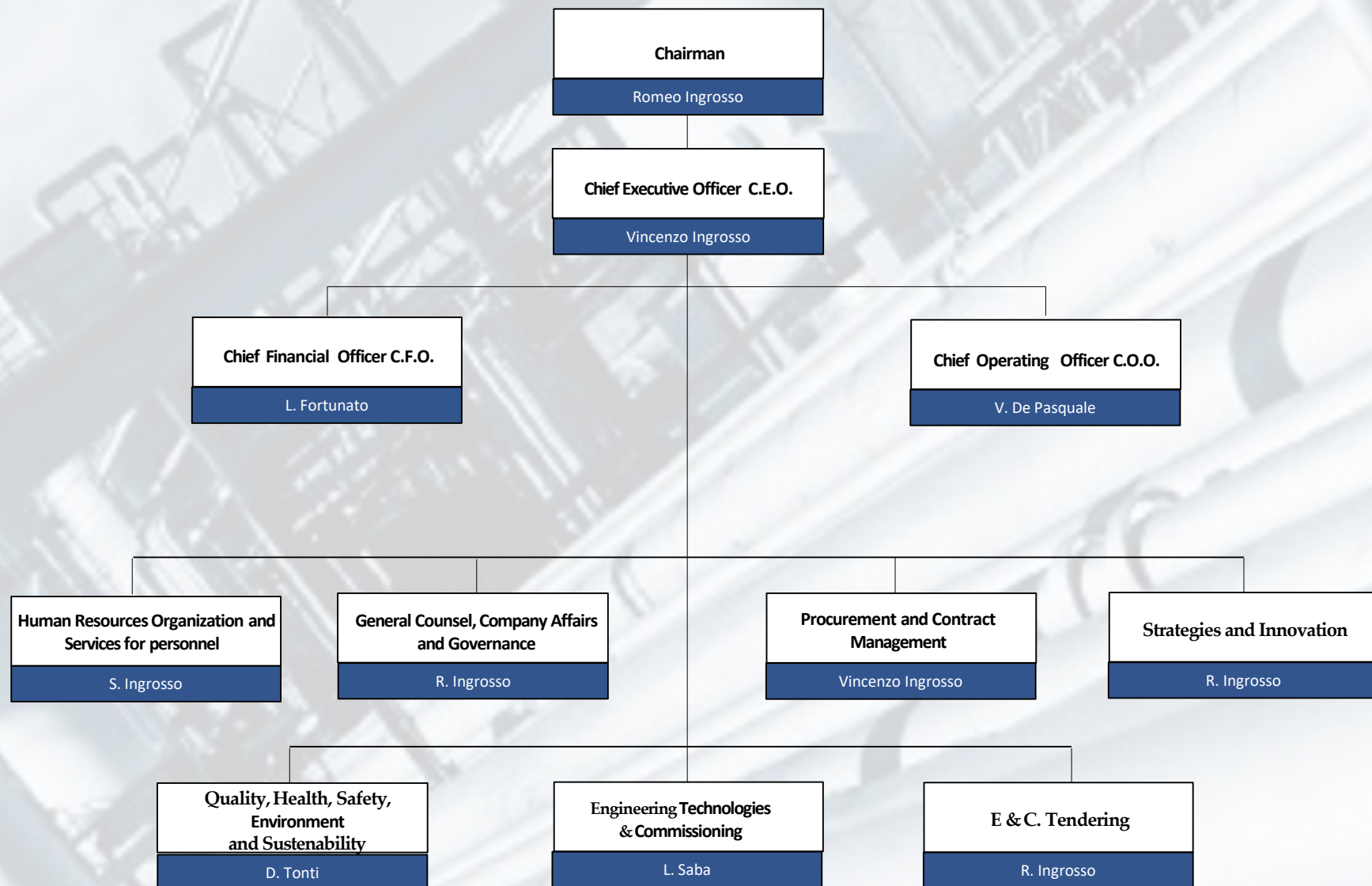
In transferring the contents of the Quality Policy to the organization of Saldimpianti Group, the following objectives have been defined:

Understanding the needs, expectations and satisfaction of the customer, in compliance with standards, professional ethics and clear definition of the needs;

- ❖ Preventive and control actions to avoid Customer dissatisfaction; Continuous improvement of the product by reviewing the results attained;
- ❖ Commitment for quality within the corporate organization aimed at the efficiency in the internal management;
- ❖ A documented, certified (ISO 9001: 2015) system is implemented by the Company;

These objectives constitute the key of the organization and corporate management, they constitute the permanent reference, which is extensively shared by the entire staff when making strategic and operative decisions and also when carrying out the works. The specific quality objectives are established annually when the quality system is reviewed by the Management.

## I. GENERAL INFORMATION: COMPANY ORGANIZATION





## I. GENERAL INFORMATION: SALDIMPIANTI MAIN BUSINESS SCOPE

Engineering, Procurement and Construction for Upstream to Downstream Projects, with particular focus on:

- ❖ LNG & NG Liquefaction
- ❖ Oil Refining
- ❖ Petrochemical
- ❖ Coal Chemical & Fertilizer
- ❖ Oil & Gas Fields Surface Services
- ❖ Mining
- ❖ Offshore Project (FPSO – Jackets, Topsides Process Module, Subsea Production Systems and subsea structures)
- ❖ Offshore Hywind Project
- ❖ Combined Cycle Power Plant
- ❖ Traditional Thermoelectric Power Plant
- ❖ Waste to Energy Plant
- ❖ Biomasse Power Plant
- ❖ Wind Power
- ❖ Solar Plant

## I. GENERAL INFORMATION: SALDIMPIANTI GLOBAL PRESENCE

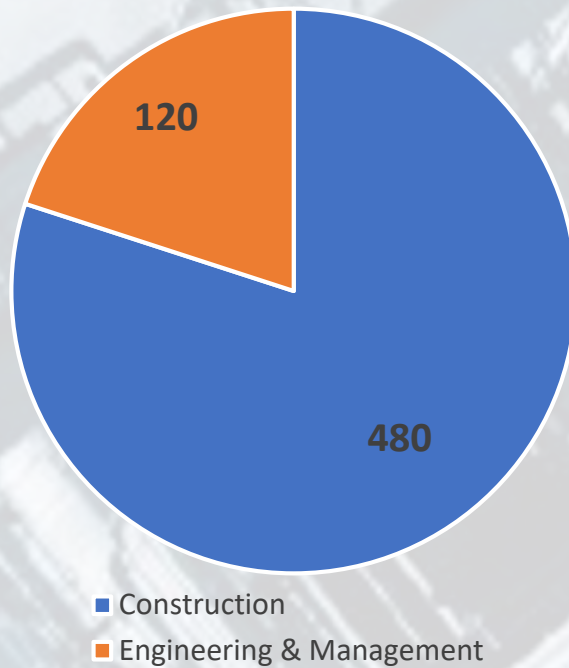


Saldimpianti operates in 8 worldwide countries in Engineering Procurement and Construction for Upstream to Downstream Project

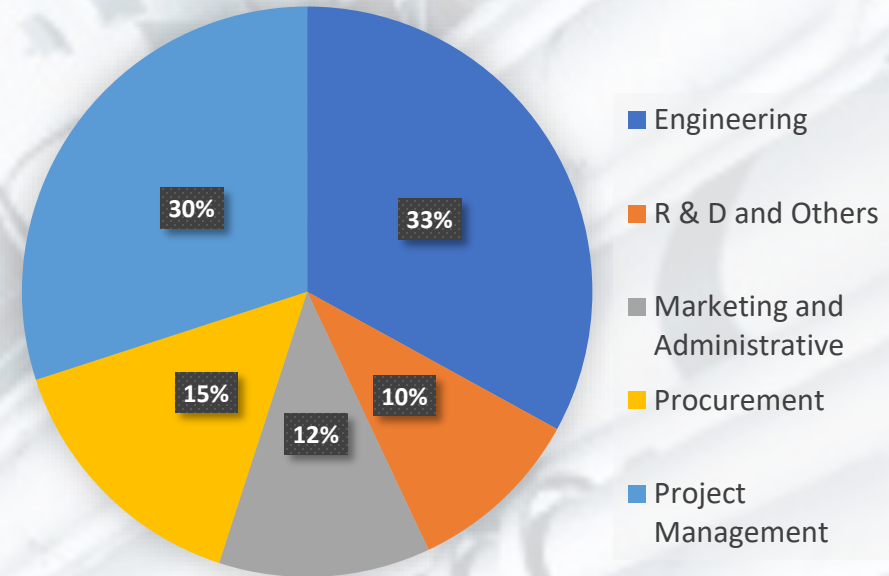


## I. GENERAL INFORMATION: SALDIMPIANTI GROUP HUMAN RESOURCES

General Workforce



Engineering & Management



Total Workforce: 600 in 2019

## I. GENERAL INFORMATION: MAIN CUSTOMERS





## II. OUR STRENGTHS

## MISSION & VALUES

- ❖ Our focus on innovation is the key to achieving and maintaining a position of leadership in all countries where we operate is. It is our firm belief that by working in a sustainable way, accepting our role as socially and ethically responsible citizens and adhering to the values promoted by Saldimpianti we create benefits for the community in which we live.
- ❖ Our values
- ❖ Saldimpianti's corporate culture is a key factor for the success of our company. The core values from which we develop our culture are: Leadership, Integrity, Flexibility and Efficiency, which make up the acronym "LIFE".

### the value of the company to grow together

#### Leadership



- ❖ Clever management of resources
- ❖ Collection of value-oriented activities
- ❖ Control on costs, scheduled times and quality
- ❖ Management decision making process
- ❖ Coordination of teamwork

#### Integrity



- ❖ Serving as a model of behaviour
- ❖ Complying with laws, regulations and business good practice
- ❖ Being fair and reliable
- ❖ Implementing appropriate activate listening and communication skills
- ❖ Being committed to well being of people, safety and environment

#### Flexibility



- ❖ Actively driving the change
- ❖ Readily and skillfully adjusting to new trends and future needs
- ❖ Promoting a client-oriented approach
- ❖ Creating opportunities and taking calculated risks
- ❖ Implementing a permanent training

#### Efficiency



- ❖ Maximization of resources
- ❖ Focus on value-oriented activities
- ❖ Efficient management of costs, scheduled times and quality
- ❖ Responsible choice for coherent actions
- ❖ Teamwork approach to finding the best solution



## MARKETS

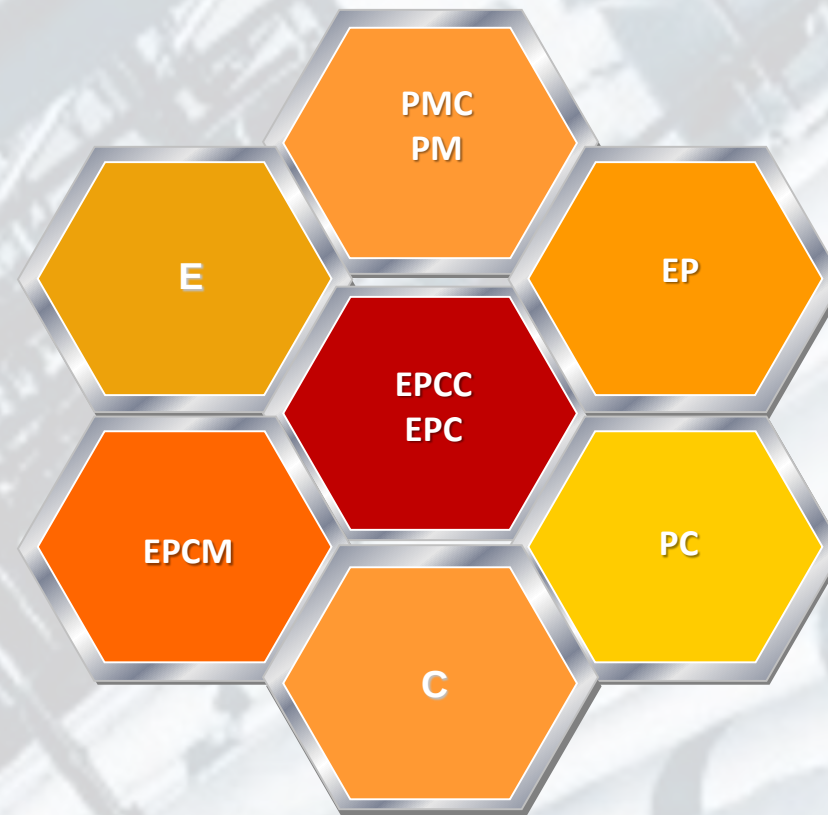
### UPSTREAM TO DOWNSTREAM SERVICES

- ❖ LNG & NG Liquefaction
- ❖ Oil Refining
- ❖ Petrochemical
- ❖ Coal Chemical & Fertilizer
- ❖ Oil & Gas Fields Surface Services
- ❖ Mining
- ❖ Offshore Project (FPSO – Jackets, Topsides Process Module, Subsez Production Systems and subsez structures)
- ❖ Offshore Hywind Project
- ❖ Combined Cycle Power Plant
- ❖ Traditional Thermoelectric Power Plant
- ❖ Waste to Energy Plant
- ❖ Biomasse Power Plant
- ❖ Wind Power
- ❖ Solar Plant
- ❖ Modularisation capabilities

Saldimpianti it is one of the few Engineering Company to Cover Upstream to Downstream Services

## PROJECT SERVICES

### A-Z Project Services





## SERVICE SPECTRUM

### CONSULTING

- ❖ Project Proposal
- ❖ Feasibility Study
- ❖ Environmental Impact Assessment
- ❖ Labor Safety Pre-assessment
- ❖ Process Technology Consulting

### SUPERVISION



### EPC/EPCM/PMC

- ❖ Basic & Detail Engineering
- ❖ Procurement & PS
- ❖ Construction, CM & CS
- ❖ Manufacture
- ❖ Project Manag. & Consultancy
- ❖ Commissioning & Start-up
- ❖ Plant Operation

### TECHNICAL SERVICE

- ❖ Technology Dev. & Transfer
- ❖ Personnel Training
- ❖ Follow-up Services
- ❖ Revamping & Modernization
- ❖ Instructions

## ENGINEERING CAPABILITIES



### SOFTWARE

#### Process Software:

ASPEN Plus    PRO II  
HTRI/HTFS    SiNet  
PROCESS    AutoPlant  
SP P&ID

#### 3D Design Software:

AUTOCAD PowerCAD  
MicroStation  
PDS PDMS  
Smart Plant Review

#### Codes & Standards

|        |         |
|--------|---------|
| ❖ AA   | ❖ IEC   |
| ❖ ACI  | ❖ IEEE  |
| ❖ AMCA | ❖ FAA   |
| ❖ ANSI | ❖ IESNA |
| ❖ API  | ❖ ISA   |
| ❖ ASCE | ❖ ISO   |
| ❖ ASME | ❖ MSS   |
| ❖ ASTM | ❖ NACE  |
| ❖ AWS  | ❖ NF    |
| ❖ AWWA | ❖ NFPA  |
| ❖ BS   | ❖ OSHA  |
| ❖ BSEN | ❖ PIP   |
| ❖ EN   | ❖ UL    |

#### Electric Design :

ESDA ESS INTOOLS

#### Structure Design :

PK/PM STADD PRO  
STRUCAD

#### Pressure Pipe :

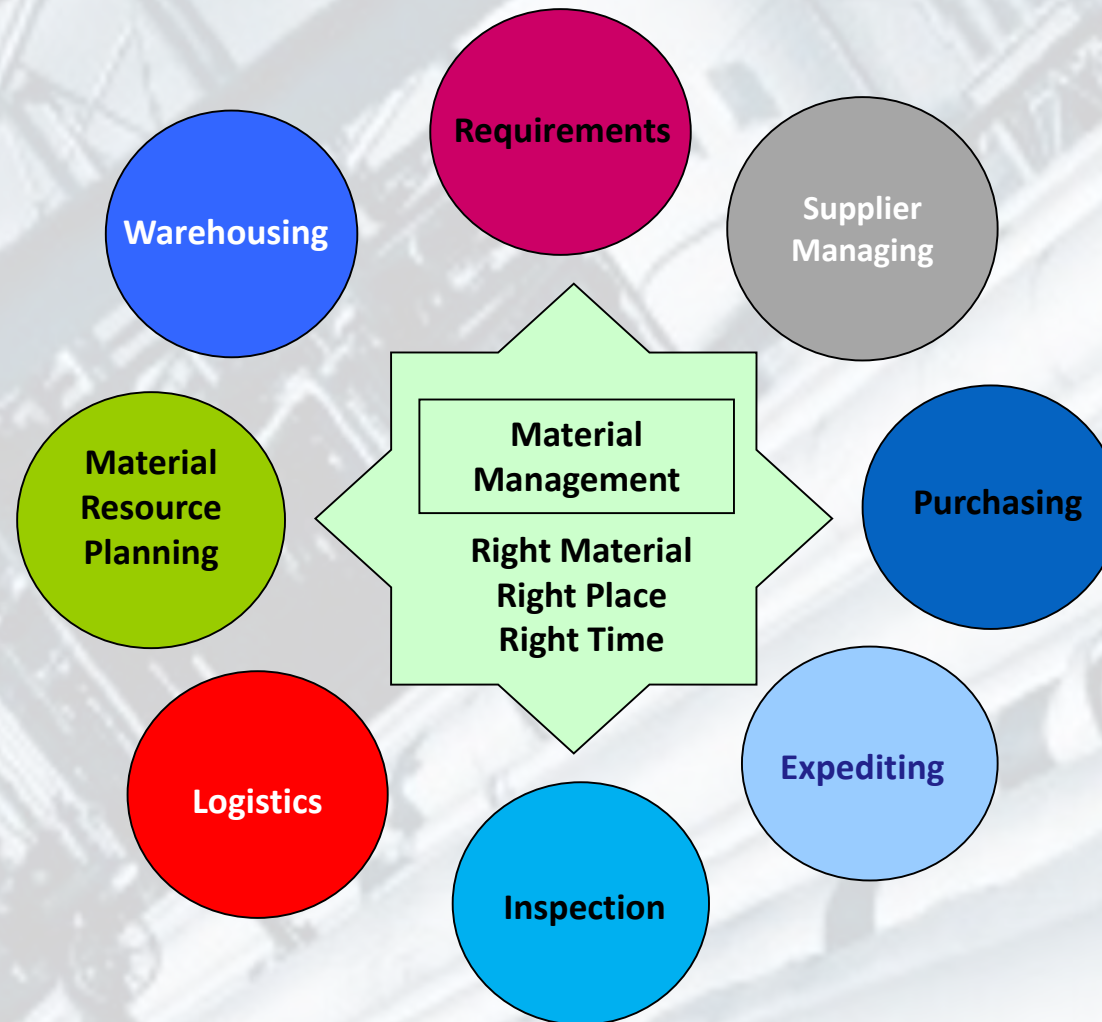
CAESAR FE/PIPE

#### Pressure Vessel :

PV ELITE II LANSYS  
ANSYS TOWER  
TANK



## PROCUREMENT CAPABILITIES



### TOP CONSTRUCTION TEAM

**480** skilled workforce

**200** major domestic &  
international projects experience

**10** sets of huge cranes  
**300** sets of welding machines  
**5** sets of transportation equipment



PERSONNEL



EQUIPMENT

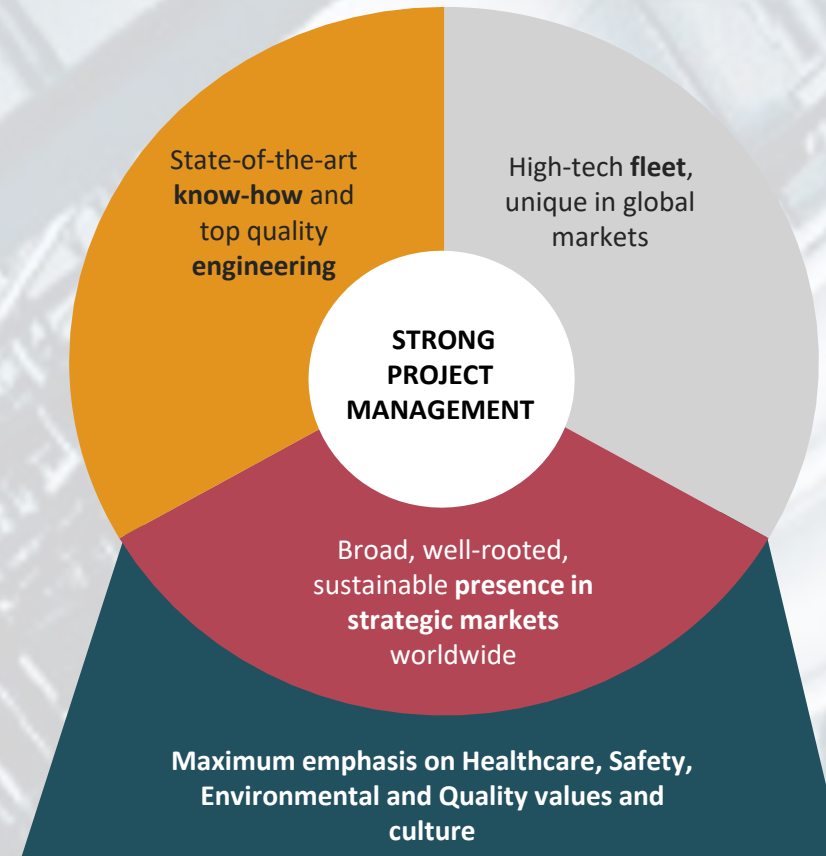


EXPERIENCE

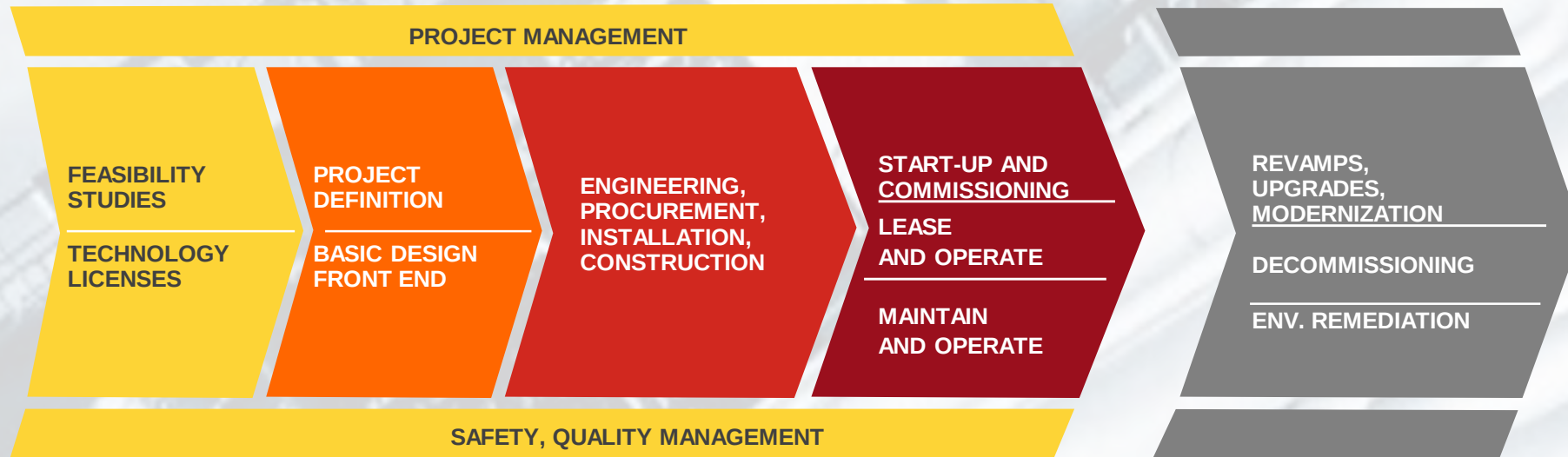


### III. BUSINESS MODEL

## SALDIMPIANTI BUSINESS MODEL









Targeting even the most challenging and technologically advanced projects, offshore and onshore

Emphasis on maximizing local presence and content

Superior capabilities for harsh, remote and difficult environments

Customized project and contracting solutions



## IV. OWNERSHIP

## SALDIMPIANTI OWNERSHIP



### Shareholder

- 100% Saldimpianti Engineering Oil & Gas Construction



## V. SUSTAINABILITY AND LOCAL CONTEST

## LOCAL CONTENT MAXIMIZATION - SALDIMPIANTI BUSINESS PHILOSOPHY

**Creation of long-term social and economic value**

❖ Develop/invest in local project execution centres

- ❖ Engineering
- ❖ Project Management
- ❖ Prefabrication Yards
- ❖ Procurement and Subcontracts with Local Suppliers

- ❖ Local Hiring
- ❖ Training, know-how transfer
- ❖ Local partnership
- ❖ HSE, medical training and assistance

**Development of local skills**

**Effective engagement of all stakeholders**



Objective: deeply rooted local sustainable presence



## SALDIMPIANTI LOCAL APPROACH

### ■ WORKFORCE

Saldimpianti is a multi-national company with a local culture, we are committed to reducing the percentage of the expats working locally.

Saldimpianti local approach is to recruiting and training the workforce locally and to partnering with universities and educational institutions to help drive the local economy.

We aim to create a highly engaging, motivating environment offering targeted training and growth programmes focusing on individuals' needs and goals.

Our ultimate aim is to achieve high local retention rates and to secure the best services and support



### ■ LOCAL PARTNERS

To compete effectively on the global energy market and to sustain local communities, it is important to source goods and services locally, without ever compromising on quality, delivery, timing or cost.

Our strict supplier selection and monitoring procedure ensures every supplier meets our business requirements. Moreover, our tendering and procurement procedures ensure local companies are treated equitably during the bid process.

Our goal is to create a solid network of local partners who comply with our stringent qualification procedures and add value to our client's assets.



### ■ COMMUNITY

Saldimpianti is committed to understanding the social and environmental impact of our activities, so as to achieve mutually beneficial coexistence with the communities in the countries where we operate.

Our strong local rooting consolidates our presence, with positive consequences both for business and for the local communities.

We conduct our activities in full respect of the cultural, religious and ethnic traditions of the local communities, with the aim of contributing to the improvement of the socio-economic conditions of the territory in which we operate

## VI. STRATEGY



## SALDIMPIANTI BUSINESS STRATEGY

In order to achieve our Vision, we will differentiate ourselves by making our project performance the proof point for our reputation. Our performance, combined with the quality of our people and our long-term commitment, is what enables us to win – and deliver for our customers – the best project on Earth.



### Invest in People

#### **INSPIRE**

Develop, challenge, and grow our people-our most important asset

#### **SHARE**

Talent, experience, knowledge, and opportunities across the company

#### **REWARD**

Recognize colleagues performance by sharing business returns



### Perform as Promised

#### **DELIVER**

Promise what we can deliver. Deliver what we promised

#### **LEVERAGE**

Unique experience, global reach, deep capabilities, diverse talent, and shared culture – for the benefit of our customers.

#### **EXECUTE**

Discipline and continuous improvement of world-class work processes and procedures

#### **EARN OUR REPUTATION**

Uncompromising ethics, safety, and extraordinary delivery on-time, on-budget



### Build our Company for the Long Term

#### **BALANCE**

Short term risk and reward with a long-term perspective. Tink, plan, and act with the long term interests of our customers, our industry, and our company in mind.

#### **SUSTAIN**

Strong values, including management-owned, family-led..

#### **ACTIVELY MANAGE**

Balanced portfolio. Be the best, not the biggest. Improve and build on our differentiators, especially our integrated EPC self-perform model.

#### **INNOVATE & INVEST**

Continually improve competitiveness. Increase delivered value to our customers

**20%**  
**cost reduction**  
IN PROJECT DELIVERY

**30%**  
**schedule improvement**  
In monthly starts and finishes

## **Self-perform EPC**

broaden, deepen & integrate capabilities

## **Develop profound insights**

Into our customers' needs

## **Differentiate**

Process technology, innovative EPC tools,  
and work processes

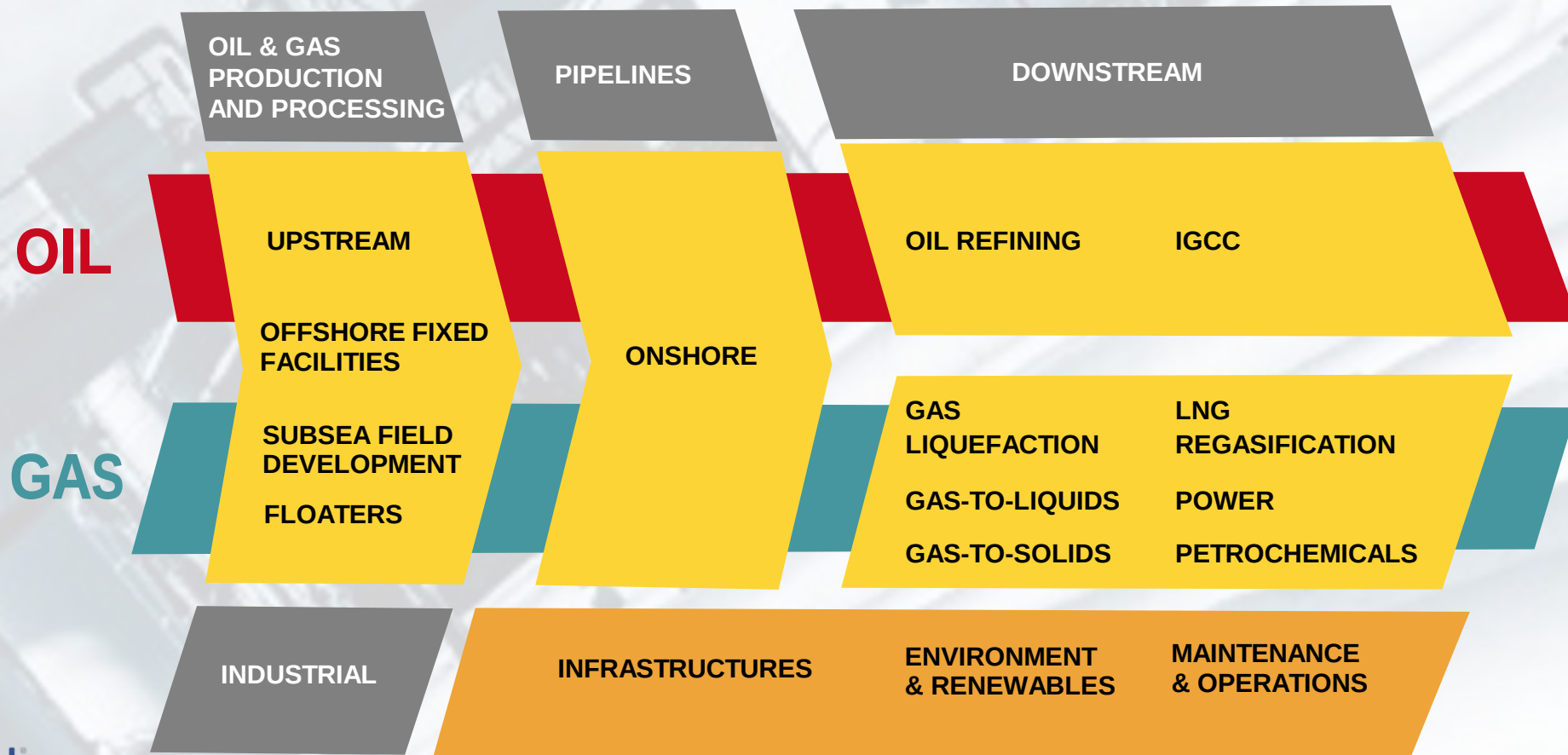
## **Build Culture**

Where colleagues feel valued, challenged,  
motivated, and treated fairly



## SALDIMPIANTI'S STRATEGY – ENGINEERING & CONSTRUCTION

Excel in all steps of the oil & gas value chain, onshore and offshore, upstream and downstream, as well as in selected diversified businesses



## VII. MODULARIZATION CAPABILITIES



## MODULARIZATION CAPABILITIES

Modular construction offers a number of advantages over conventional "stick-built" construction. The bulk of the fabrication and assembly are performed at our facilities, which allows us to ensure all work is performed according to our high standards under controlled working conditions. By reducing fieldwork, we also minimize the project's impact on the customer site, a significant advantage when the installation site is an operating plant. Modular construction also minimizes lay-down space, an important benefit when the field site is small or congested, and reduces delays due to adverse weather. In-air work is minimized and foundation requirements are often simplified.

Modular construction also results in fewer fitting errors and re-work because we can pre-fit components prior to shipment. Requirements for highly skilled labor onsite are minimal, an advantage in areas where skilled labor is either costly or unavailable. Procurement is often simplified, especially when the installation site is located in an area where raw materials and equipment are expensive or difficult to obtain. In addition, modular construction can shorten schedules by allowing for concurrent processes, such as fabrication, permitting and logistical arrangements.

### SELECTING THE RIGHT OPTION

At the outset of every project, we evaluate our customer's needs, the project's size, the installation site and other factors to identify the most appropriate construction option. Most large projects allow for some modular construction, and a combination of modular and stick-built erection may be called for in many cases.

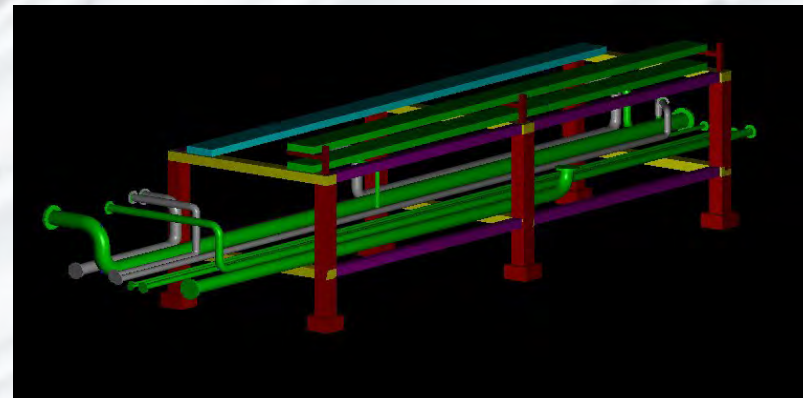
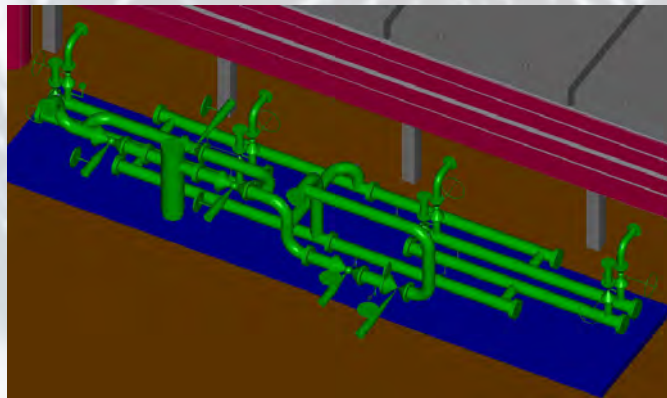
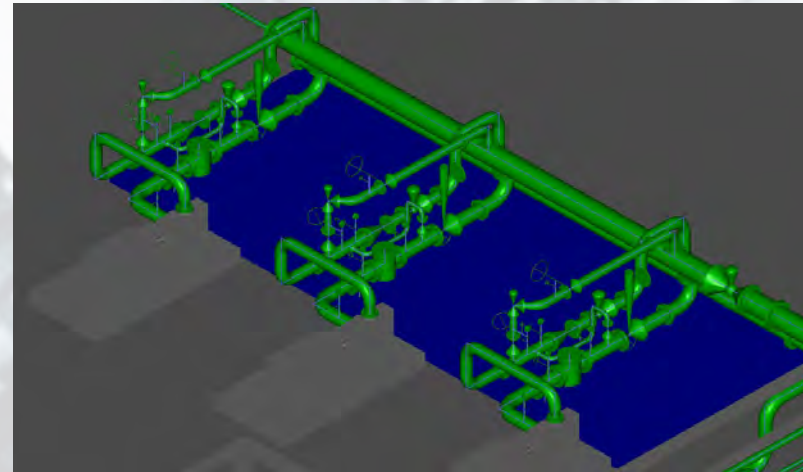
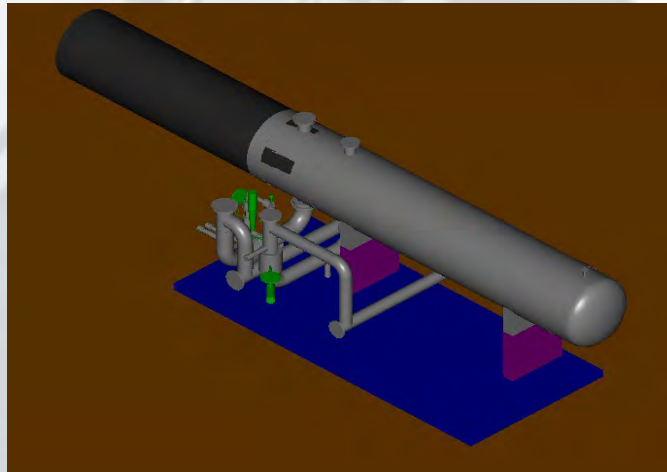
We provide comprehensive engineering, fabrication, procurement and construction services for modular projects. This integrated approach is possible because we have a global network of engineering, procurement and construction resources, and we are one of the few EPC companies with in-house fabrication facilities. We perform all aspects of the work with our own in-house resources whenever possible.

Modularization can be considered for all process plant projects and can provide a number of benefits:

- ❖ Decreases risk associated with field construction
- ❖ Reduces on-site construction personnel
- ❖ Pre-assembly in a controlled shop environment minimizes incremental weather conditions
- ❖ Achieves higher productivity
- ❖ Reduces overall cost and delivery schedule, resulting in earlier startup, production and market entry

## MODULARIZATION CAPABILITIES

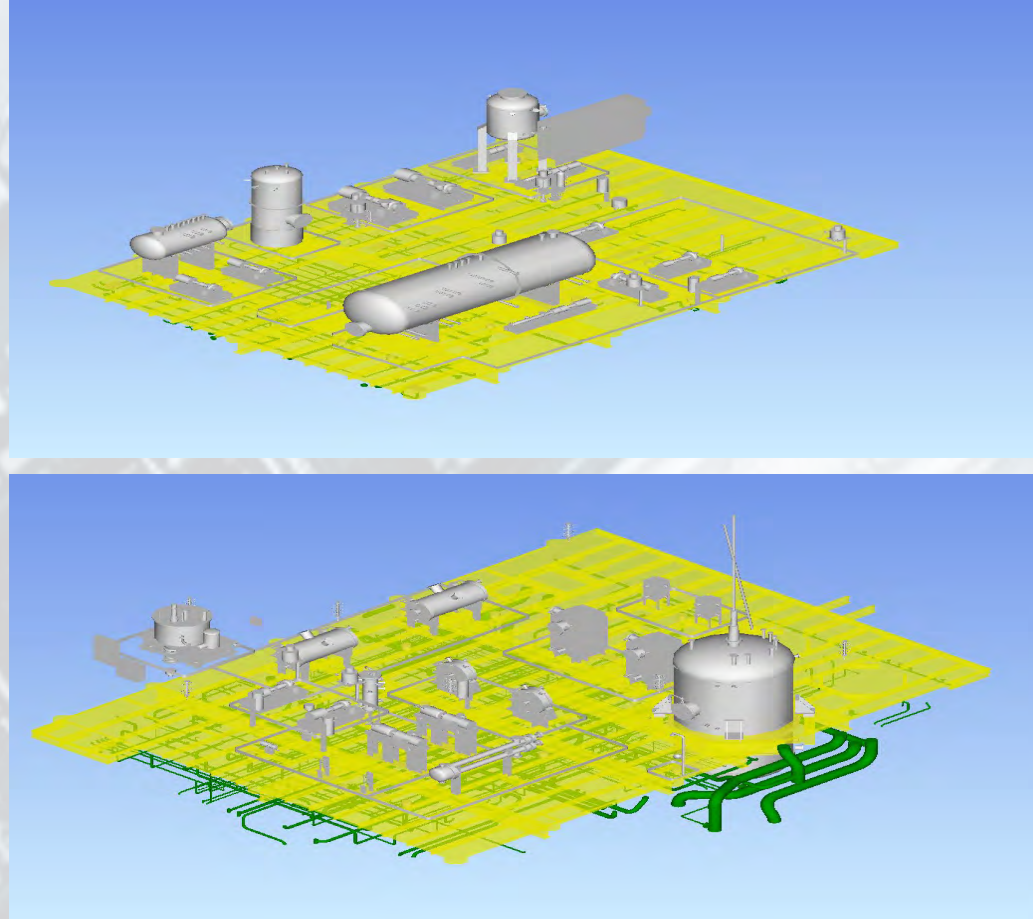
### Integrated Design 3D Model





## MODULARIZATION CAPABILITIES

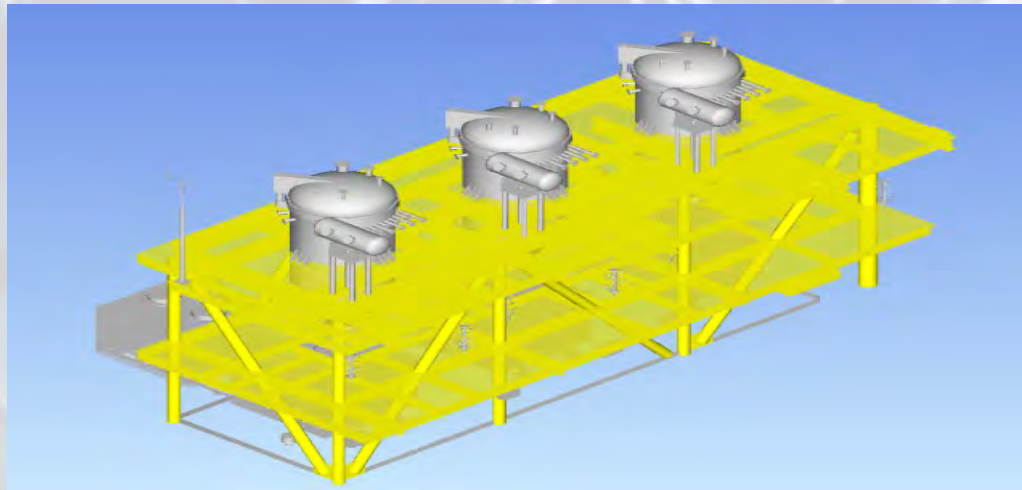
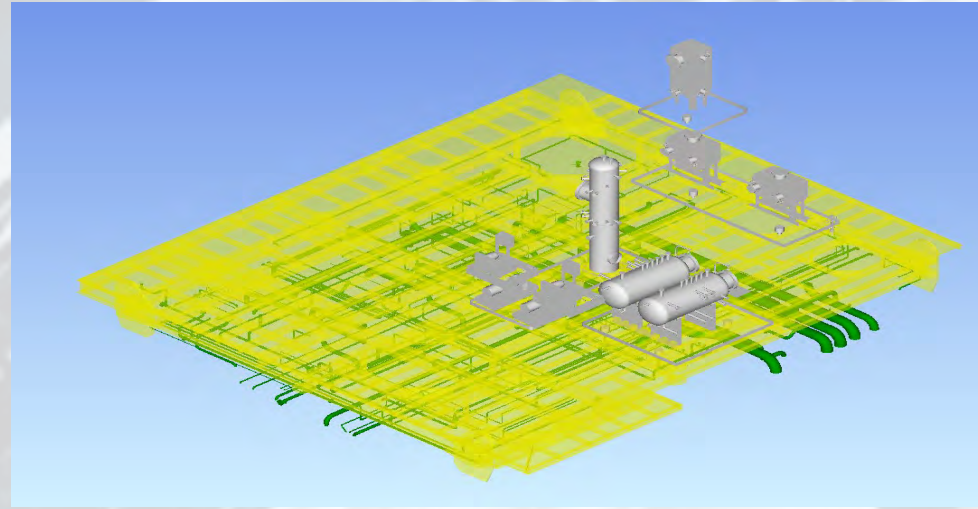
### Module Assembly



Equipment Installation for first floor, second floor, third floor & fourth floor

## MODULARIZATION CAPABILITIES

### Module Assembly

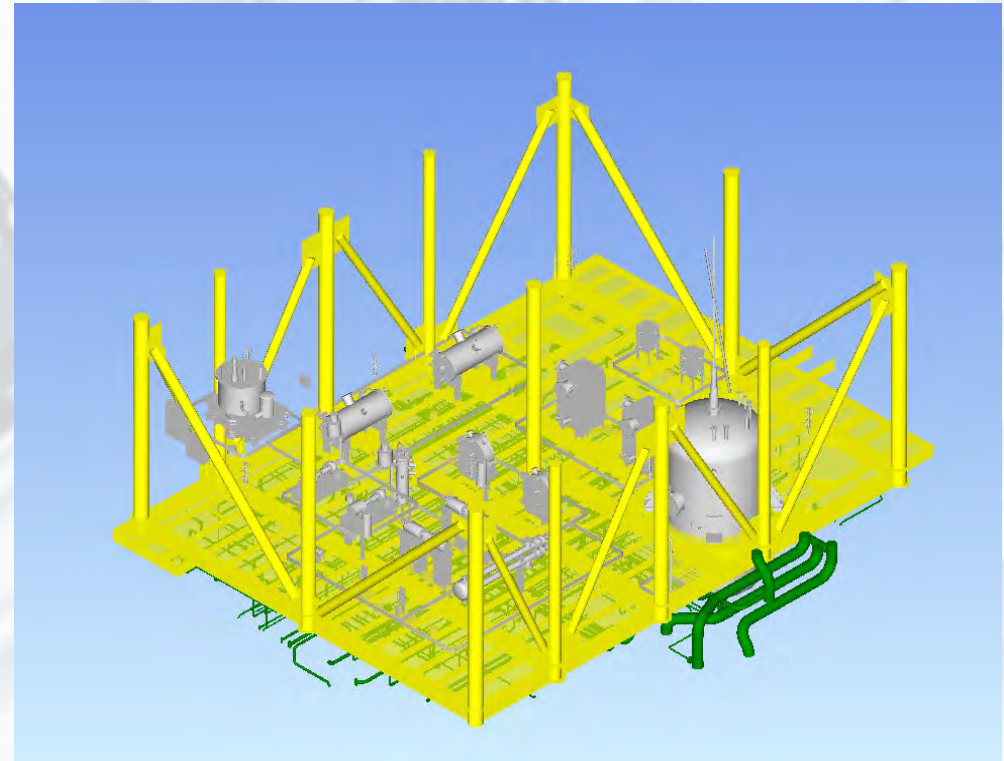
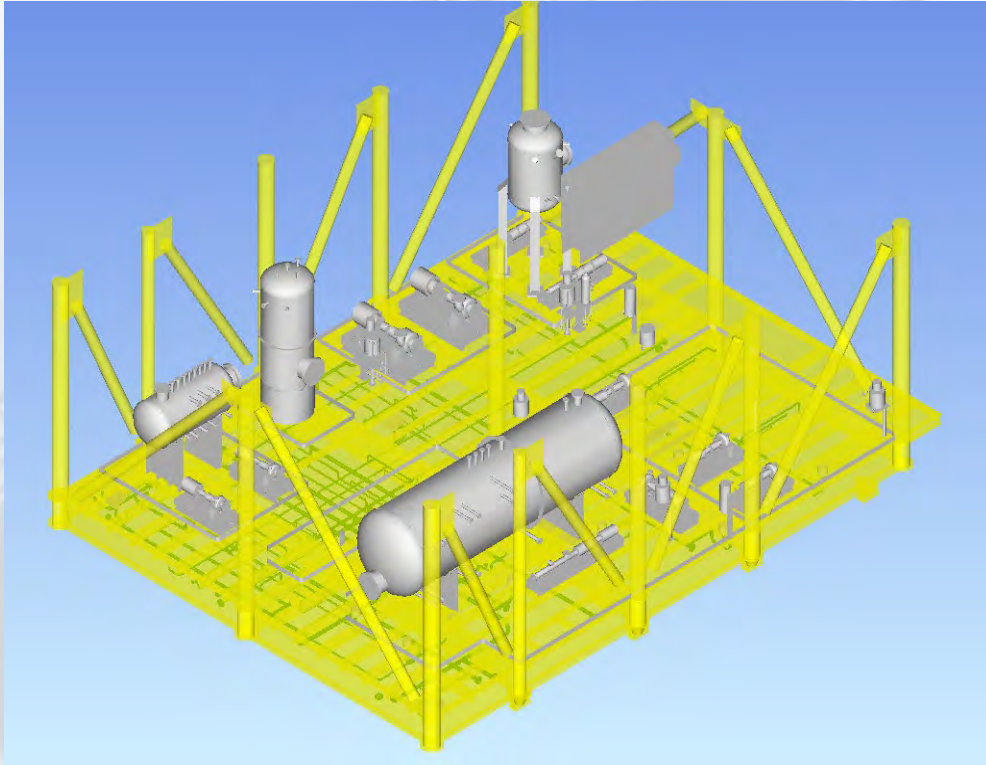


Equipment Installation for first floor, second floor, third floor & fourth floor



## MODULARIZATION CAPABILITIES

### Module Assembly

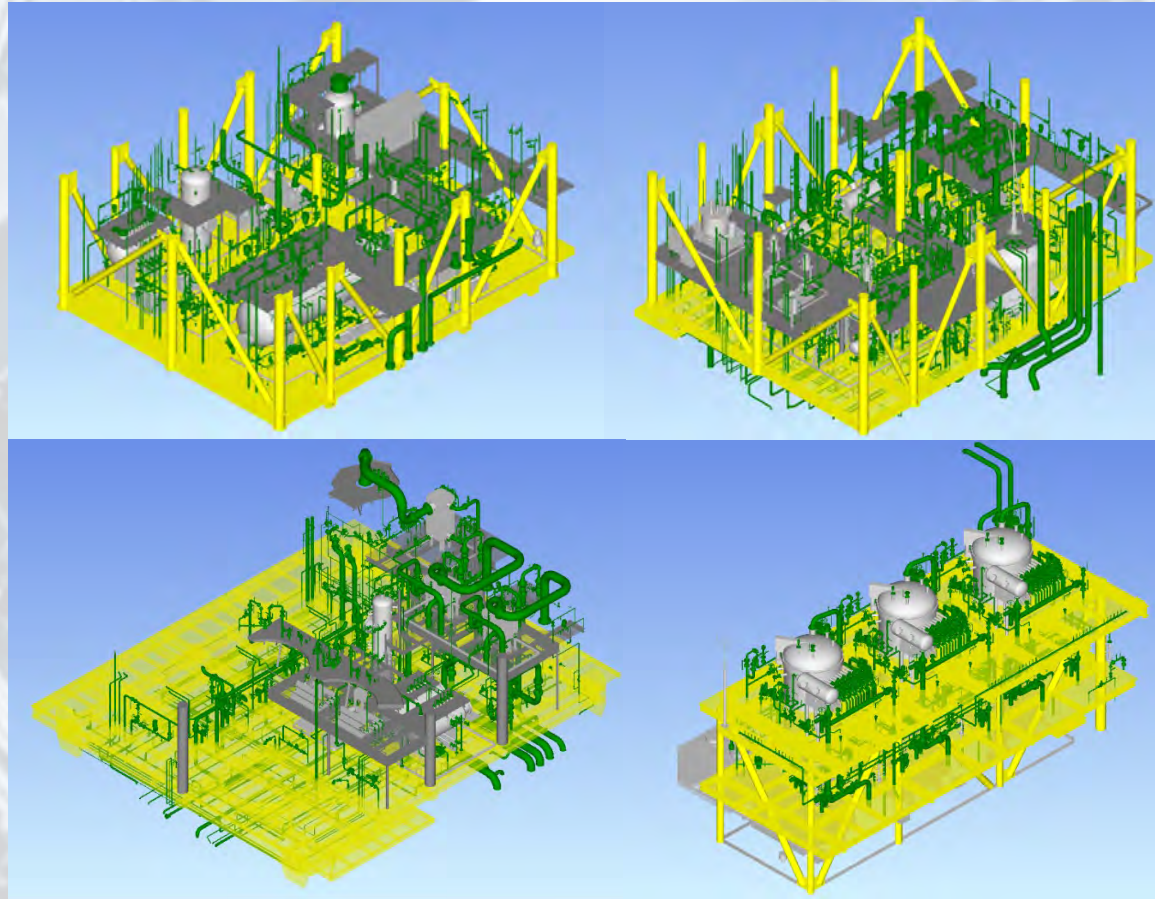


Columns & bracings assembly for first floor, second floor



## MODULARIZATION CAPABILITIES

### Module Assembly

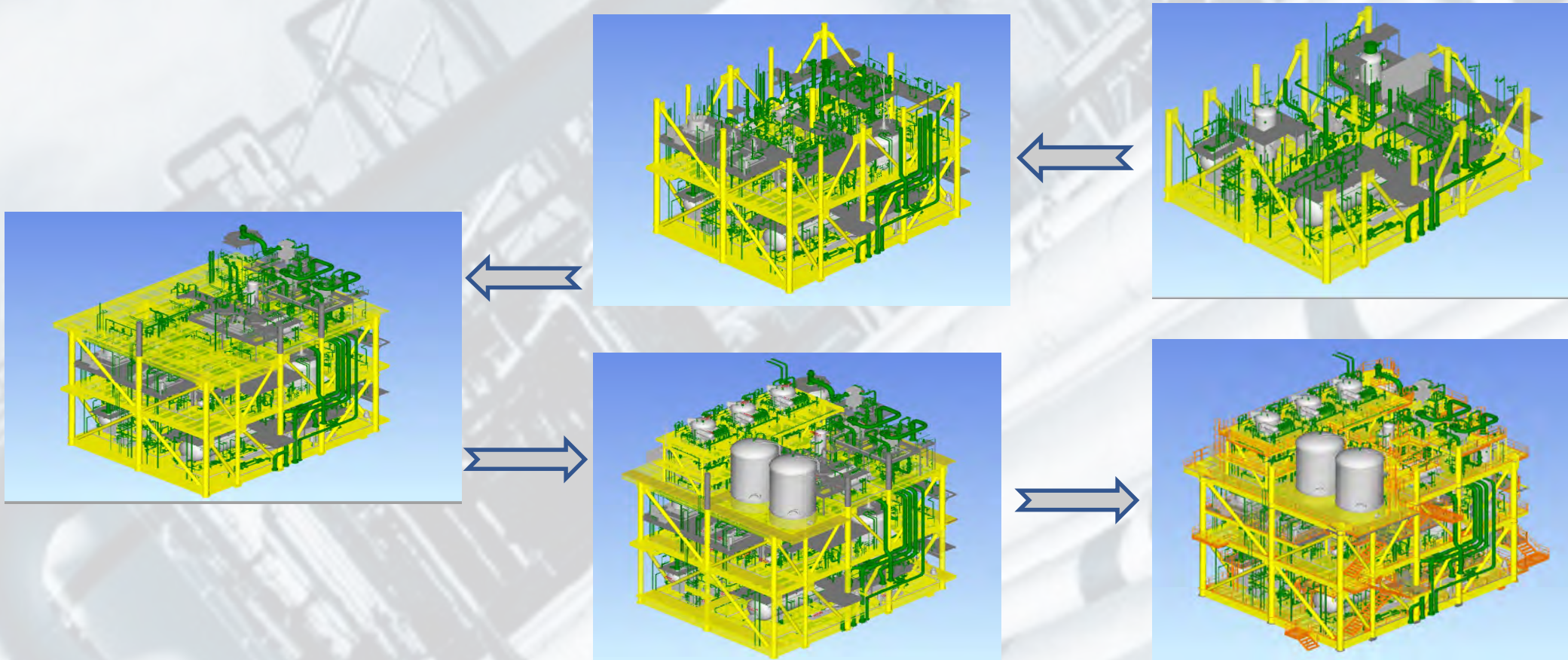


Piping and E&I Installation for first floor, second floor, third floor & fourth floor



## MODULARIZATION CAPABILITIES

### Module Assembly



MEG Module Overall Assembly



## MODULARIZATION CAPABILITIES

### Load Out Procedure by Crane (Optional)





## MODULARIZATION CAPABILITIES

### Modularized Heater

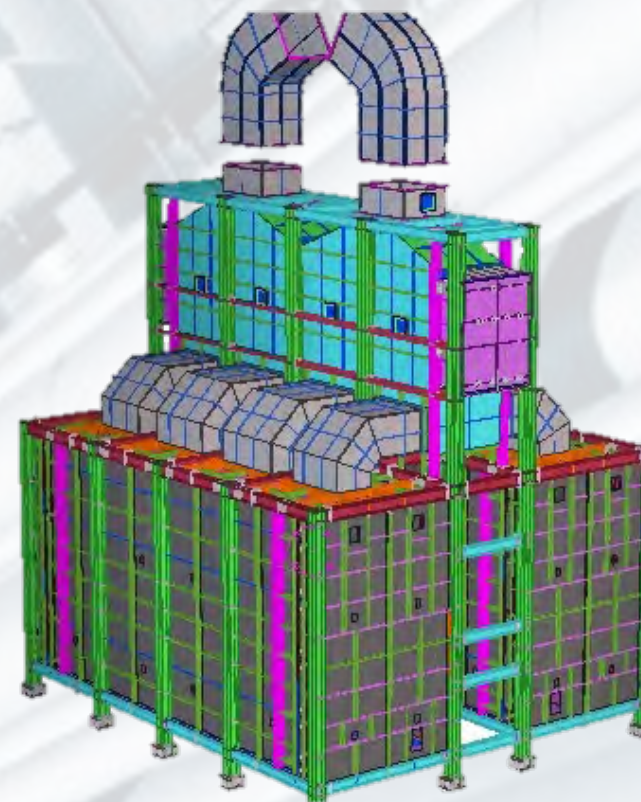


Hydrogenation Heater



## MODULARIZATION CAPABILITIES

### Modularized Heater

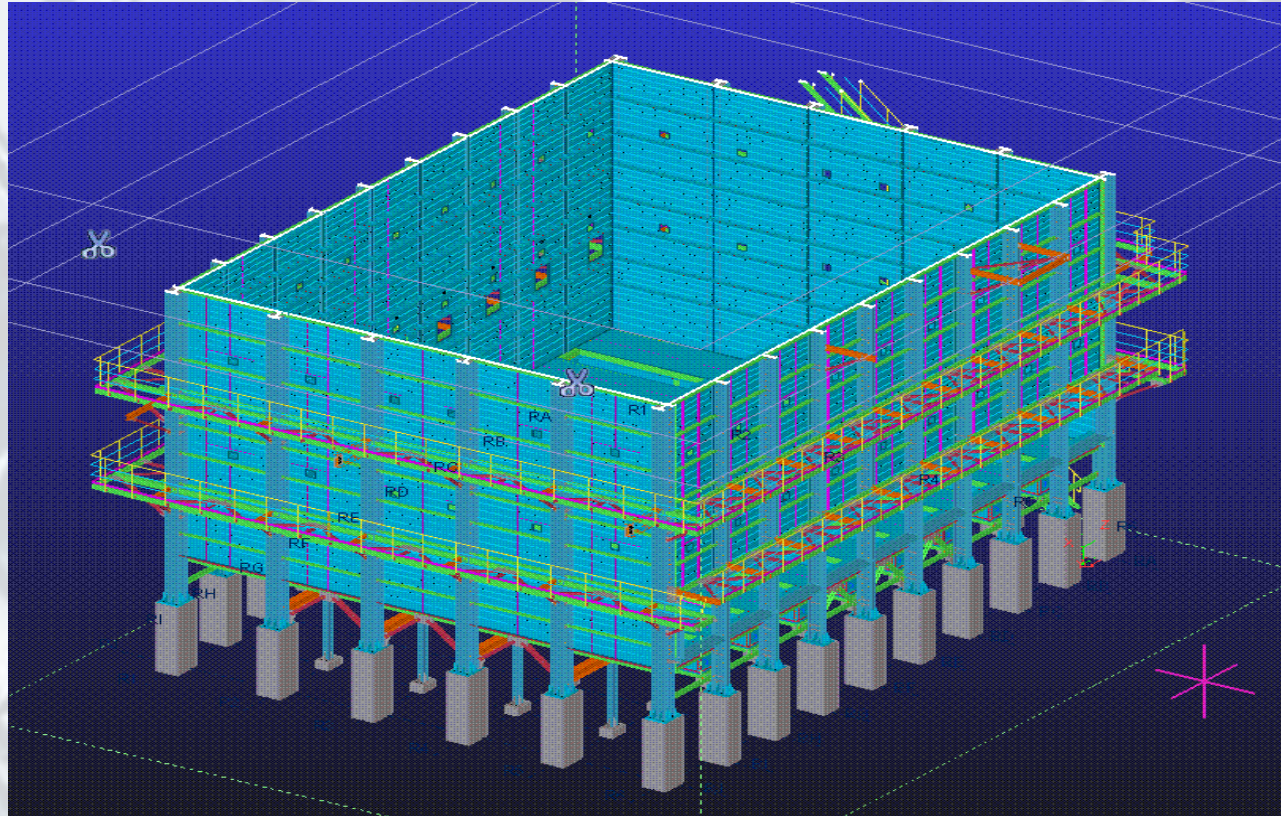


CDU&VDU Heater



## MODULARIZATION CAPABILITIES

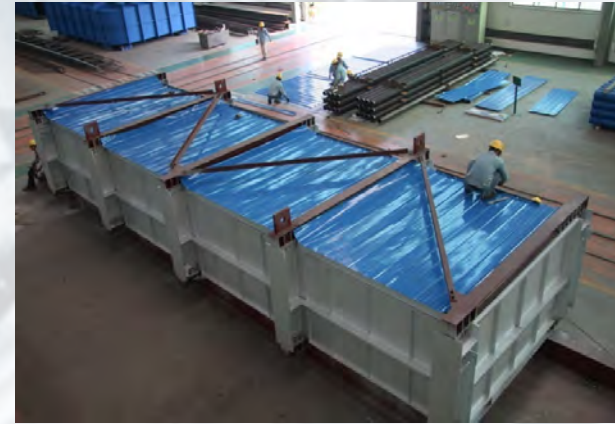
### Modularized Heater





## MODULARIZATION CAPABILITIES

### Heater Manufacture





## MODULARIZATION CAPABILITIES

### Heater Manufacture





## MODULARIZATION CAPABILITIES

### Heater Installation





## VIII. MAJOR PROJECTS

# DOWNSTREAM PROJECT: POWER GENERATION



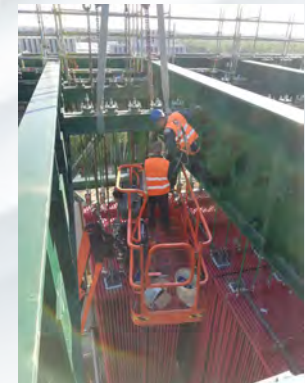
## POWER GENERATION – STEAM BOILER ERECTION

### WASTE TO ENERGY PLANT – BERINGEN - BELGIUM

CLIENT: RUTHS / TM.E. S.p.A.

PROJECT DESCRIPTION: The Beringen Waste-to-Energy plant consists of one line with a disposal capacity of 200,000 tons/year. Total Energy Recovery, 15 MWe

SCOPE OF WORK: Steam Boiler complete erection, Pre-commissioning, commissioning and start-up





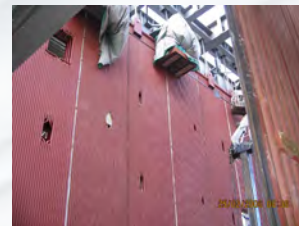
## POWER GENERATION – N° 3 STEAM BOILER ERECTION

### WASTE TO ENERGY PLANT – ACERRA - ITALY

CLIENT: FISIA ITALIMPIANTI S.p.A.

**PROJECT DESCRIPTION:** The Acerra Waste - to - Energy plant is one of the largest plants in Europe, with a disposal capacity of 600,000 t/year of pretreated RSU; it produces 600 million kilowatt-hour per year of electricity, sufficient quantity to satisfy the necessity of about 200,000 families.

**SCOPE OF WORK:** Assembly of metal structures, membrane walls assembly, combustion chamber assembly, piping, pressure part and auxiliary components erection for waste to energy plant construction.





## POWER GENERATION – AIR COOLED CONDENSER ERECTION

### WASTE TO ENERGY PLANT – ACERRA - ITALY

CLIENT: FISIA ITALIMPIANTI S.p.A.

**PROJECT DESCRIPTION:** The Acerra Waste - to - Energy plant is one of the largest plants in Europe, with a disposal capacity of 600,000 t/year of pretreated RSU; it produces 600 million kilowatt-hour per year of electricity, sufficient quantity to satisfy the necessity of about 200,00 families.

**SCOPE OF WORK:** 20 Cells Air Cooled Condenser erection including duct, piping and piping support





## POWER GENERATION – HRSG ERECTION

### COMBINED CYCLE POWER PLANT 800 MW – MODUGNO (BARI) - ITALY

CLIENT: ALSTOM POWER

PROJECT DESCRIPTION: New Combined Cycle Gas Turbine Plant and ancillary facilities – 800 MWe

SCOPE OF WORK: Field erection of n° 2 Hot Recovery Steam Generation (HRSG) composed of the following components:



- ❖ Inlet Duct
- ❖ Structural Steel
- ❖ Casing Panels
- ❖ Pressure Part Modules
- ❖ Acoustic Baffle-Solid and Cavity
- ❖ Gas Baffles
- ❖ Steam Drums
- ❖ Piping Systems
- ❖ Pipe Bellows
- ❖ Stack
- ❖ Auxiliary Systems
- ❖ Insulation
- ❖ Instrumentation & Controls
- ❖ Painting
- ❖ CO Catalyst System
- ❖ Expansion Joints





## POWER GENERATION – GAS TURBINE ERECTION

### COMBINED CYCLE POWER PLANT 800 MW – MODUGNO (BARI) - ITALY

CLIENT: ALSTOM POWER

PROJECT DESCRIPTION: Modugno Combined Cycle Gas Turbine Plant and ancillary facilities – 800 MW

SCOPE OF WORK: Field Erection of n° 2 Alstom Gas Turbine GT 26B2 included Air Intake System





## POWER GENERATION – STEAM TURBINE ERECTION

### COMBINED CYCLE POWER PLANT 800 MW – MODUGNO (BARI) - ITALY

CLIENT: ALSTOM POWER

PROJECT DESCRIPTION: Modugno Combined Cycle Gas Turbine Plant and ancillary facilities – 800 MW

SCOPE OF WORK: Steam Turbine and Generator Erection





## POWER GENERATION – HELLER DRY COOLING SYSTEM

### COMBINED CYCLE POWER PLANT 800 MW – MODUGNO (BARI) - ITALY

CLIENT: GEA ENERGY TECHNOLOGY

**PROJECT DESCRIPTION:** Cooled water from the cooling tower flows through two recuperating hydraulic turbines connected in parallel and is used in the direct contact jet condenser to condense steam flow from the turbine. The mixed cooling water and condensate is collected at the bottom (hot-well) of the condenser and is extracted by two 50 % duty circulating water pumps. About 2 % of this flow - corresponding to the amount of steam condensed - is fed to the boiler feed water system by simple booster pumps. The major part of the flow is returned to the cooling tower for cooling. The cooling duty is performed in water-to-air heat exchangers, divided into parallel sectors, where cooling air flow is induced by a natural draught or a mechanical draught cooling tower.



**SCOPE OF WORK:** Field Erection of the following components:

- ❖ Condenser
- ❖ Cooling Water pumps and recovery Turbine
- ❖ Cooling Towers (Main cooling water cooling tower)
- ❖ GearBoxes
- ❖ Drivers
- ❖ Cooling Tower (closed cooling water cooling tower)
- ❖ Main cooling Water Pipe Line
- ❖ Closed Cooling Water Pipe Line





## POWER GENERATION – COOLING TOWER ERECTION

### COMBINED CYCLE POWER PLANT 800 MW – TERMOLI - ITALY

CLIENT: VATECH/TECHNIP ITALY

PROJECT DESCRIPTION: Combined Cycle Gas Turbine Plant and ancillary facilities – 800 MW located in Termoli, on Italy's adriatic coast.

SCOPE OF WORK: N 12 cells Concrete Cooling Towers Erection





# POWER GENERATION – STEAM TURBINE AND CONDENSER ERECTION

## COMBINED CYCLE POWER PLANT 800 MW – TERMOLI - ITALY

CLIENT: SIEMENS

PROJECT DESCRIPTION: Termoli Combined Cycle Gas Turbine Plant and ancillary facilities – 800 MW

SCOPE OF WORK: Steam Turbine Type K 30-25 TPL/n30-2x10 and Condenser Type 1 KGF 35x64,5-2VSS70  
Erection





# POWER GENERATION – WOOD BIOMASS POWER PLANT

## BIOMASS POWER PLANT 20 MW

CLIENT: TECNIMONT S.p.a./ Biolevano S.r.L.

**PROJECT DESCRIPTION:** Olevano Plant is Biomass Power Plant, having a rates electrical capacity of about 20 MW. This Biomass is a substantial objective set by the European Union. The Biomass Plant of Olevano Lomellina covering 2 surface area of over 6 hectares, 2/3 of which are destined to biomass energy storage.

**SCOPE OF WORK:** Field Erection of the following components:

- ❖ Flow Gas Treatment System
- ❖ Boiler Cyclones Duct Erection including steel structures
- ❖ Boiler Filter erection including steel structures
- ❖ Gas Exchanger Erection
- ❖ Reactor Erection
- ❖ Bag Filter erection including filter penthouse
- ❖ Filter plenum walkway erection
- ❖ Bicarbonate silo assembly
- ❖ Ash Silo assembly
- ❖ Fan stack duct erection
- ❖ Silencer erection
- ❖ Filter –Pre- Heating inlect/outlect Duck
- ❖ Stack Erection
- ❖ SPIG Air Cooled Condenser erection
- ❖ Equipment erection
- ❖ BOP Piping erection
- ❖ Tanks erection





## POWER GENERATION – REVAMPING C.LE ENEL DEL MERCURE

### BIOMASS POWER PLANT 35 MW

CLIENT: ENEL/STF

PROJECT DESCRIPTION: Mercure Plant is Biomass Power Plant located in Laino Borgo on the border, between Calabria and Basilicata (Italy) and having a rates electricity capacity of about 35 MW

SCOPE OF WORK: Conversion at Biomasse Mercure Power Plant



# DOWNSTREAM PROJECT: OIL REFINING



# OIL & GAS REFINING- SURINAME PROJECT

## REFINERY EXPANSION PROJECT

CLIENT: SAIPEM/STAATSOLIE MAATSCHAPPIJ SURINAME NV

**PROJECT DESCRIPTION:** Refinery expansion of Tout Lui Faut refinery, located 20 km south of Paramaribo, the capital city of Suriname. The new facilities to be added during the expansion will increase the processing capacity from 7,000 to 15,000 barrels a day of diesel (Euro IV type), fuel oil and asphalt bitumen for the local market and sulphuric acid for export.

**SCOPE OF WORK:** Complete fabrication of process an interconnecting modular refinery, n° 5 PAR (Pre-Assembled Rack) and n° 3 PAU (Pre – Assembled – Units) about 1900 Tons





## OIL & GAS REFINING – INDENI PETROLEUM REFINERY - ZAMBIA

### INDENI PETROLEUM NDOLA REFINERY - ZAMBIA

CLIENT: SNAMPROGETTI

**PROJECT DESCRIPTION:** Refinery located in Ndola, Zambia with processing capacity to 2,400 barrels a day. Crude is received at a terminal in Dar-Es-Salaam (Tanzania), and delivered to the refinery by the Tazama Pipeline.

**SCOPE OF WORK:** Process unit revamping and rehabilitation





# DOWNSTREAM PROJECT: LIQUEFIED NATURAL GAS (LNG)

## LNG PROJECT

### LNG TERMINAL PROJECT IN SWINOUJSCIE - POLAND

CLIENT: SAIPEM S.p.A.

**PROJECT DESCRIPTION:** The new terminal is expected to initially receive 5 billion cubic metres of liquefied gas a year as part of the Polish strategy to limit its dependence on imports from Russia. The LNG Terminal is fully equipped with an unloading jetty with mooring system for unloading of large, LNG Tankers (with a boil-off and recondensing facility), two cryogenic containers of 160,000 m<sup>3</sup> each for storing in-process LNG and regasification train to produce gas at the correct pressure for the grid.

**SCOPE OF WORK:** CS Plate supply for wall & bottom vapor barrier for LNG tanks Tk 2011 & Tk 2012  
Installation of large bore piping, small bore piping and piping support.





# DOWNSTREAM PROJECT: FERTILIZER COMPLEX

## FERTILIZER PLANT – AMMONIA UREA FERTILIZER PROJECT

### AMMONIA & UREA FERTILIZER PROJECT – AIN EL SOKHNA - EGYPT

CLIENT: KRUPP HUDE

**PROJECT DESCRIPTION:** The project located in Ain El Sokhna, around 100 km southeast of Cairo, with the capacity to produce about 440,000 tons of ammonia, 300,000 tons of urea.

**SCOPE OF WORK:** Complete erection of ammonia and urea plant, steel structures, piping, equipment, boiler, tanks, reformer, turbine and auxiliary components.





# UPSTREAM PROJECT: OFFSHORE SUBSEA PROCESSING

## OFFSHORE SUBSEA PROCESSING – KIZOMBA PROJECT

### KIZOMBA SATELLITES PHASE II – SUBSEA STRUCTURES SUPPLY

CLIENT: SAIPEM

PROJECT DESCRIPTION: Kizomba satellites phase II located approximately 150 km off the coast of Angola, at a water depth of about 1,350 m

SCOPE OF WORK: Fabrication and assembly of production and water injection subsea structures.  
Tons. 870





# OFFSHORE SUBSEA PROCESSING – USAN PROJECT

## USAN DEEPWATER FIELD – SUBSEA STRUCTURES SUPPLY

CLIENT: SAIPEM

PROJECT DESCRIPTION: Usan Project located approximately at 100 km south of port Harcourt, in water depth ranging from 750 m to 850 m

SCOPE OF WORK: Fabrication and assembly water and gas injection subsea structures including process pipe. Fabrication and Assembly Buoyancy tank.  
Tons 400





## OFFSHORE SUBSEA PROCESSING – PRE SALT PROJECT (BRAZIL)

### SAPINHOA NORTE AND CENAMBI SUL – N° 2 – BUOYANCY TANKS SUPPLY

CLIENT: SAIPEM DO BRAZIL/PETROBRAS

**PROJECT DESCRIPTION:** The Sapinhua and Cernambi fields are of the huge and still fresh brazilian ultra-deepwater Pre-Salt play located in the Santos Basin, approximately 300 kilometers off the coast of the Rio de Janeiro and Sao Paulo States, in water depths of 2,200 metres.

**SCOPE OF WORK:** Fabrication and assembly water at Saipem Guaruja Yard n° 2 Buoyancy Tanks. Tons 746.





# UPSTREAM PROJECT: OFFSHORE FIXED FACILITIES

## OFFSHORE FIXED FACILITIES – IVAR AASEN PROJECT

### IVAR AASEN PROJECT – OIL FIELD PLATFORM

CLIENT: SAIPEM/DET NORSKE

PROJECT DESCRIPTION: Ivar Aasen project is located in the Northern part the North Sea and at 175 km away from Karmoy, at water depths of 112 m.

SCOPE OF WORK: Fabrication and assembly at Saipem Arbatax Yard (Italy) main and secondary structures, risers, j-tube, caisson and outfitting.





## OFFSHORE FIXED FACILITIES – ELGIN B PROJECT

### ELGIN B PROJECT –GAS WELLHEAD PLATFORM

CLIENT: SAIPEM/ TOTAL

PROJECT DESCRIPTION: The Elgin B Gas Condensate Field is located in the UK North Sea approximately 240 km East of Aberdeen

SCOPE OF WORK: Fabrication and assembly at Saipem Arbatax Yard main and secondary steel structures, risers, j-tube, caisson and outfitting





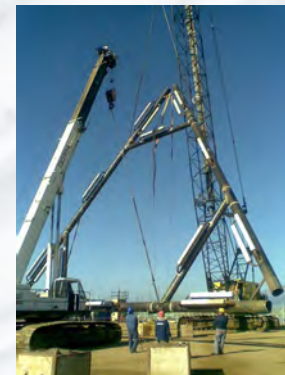
## OFFSHORE FIXED FACILITIES – OLOWI PROJECT

### OLOWI PROJECT – OIL THREE WELLHEAD PLATFORM

CLIENT: SAIPEM

PROJECT DESCRIPTION: The three platforms area named A, B, C/D are located at the depth of 30 m about 12 miles off the coast of Gabon.

SCOPE OF WORK: Fabrication and assembly at Saipem Arbatax Yard (Italy) main and secondary steel structures, risers, j-tube and outfitting





# OFFSHORE FIXED FACILITIES – ELETTRA PROJECT

## ELETTRA GAS FIELD PLATFORM

CLIENT: SAIPEM/ ENI

**PROJECT DESCRIPTION:** The Elettra gas Platform, is located in the Adriatic Sea, at 59 km North of Ancona. The Tripod Jacket was fabricated in Saipem Intermare Sarda Fabrication Yard – Arbatax (Sardinia), and transported via barges to the offshore site. The Elettra Jacket was installed in Adriatic Sea, at a water depth of nearly 80 m.

**SCOPE OF WORK:** Fabrication and assembly at Saipem Arbatax Yard (Italy) main and secondary steel structures, process risers and outfittings.





## OFFSHORE FIXED FACILITIES – AWA PALOUKOU PROJECT

### AWA PALOUKOU , OIL FIELD PLATFORM

CLIENT: SAIPEM/ ENI CONGO

PROJECT DESCRIPTION: The Awa Paloukou Field is located off the coast of The Republic of Congo, in 2,730 feet (832 m) of depth.

SCOPE OF WORK: Process module deck construction.





## OFFSHORE FIXED FACILITIES – HALFDAN PROJECT

### HALFDAN PROJECT, WELLHEAD PLATFORM AND INTERCONNECTING BRIDGES CONSTRUCTION

CLIENT: SAIPEM/ MAERSIC

PROJECT DESCRIPTION: Halfdan Project consists of a combined process and wellhead platform. The platforms are interconnected by combined foot and pipe bridges.

SCOPE OF WORK: Process module deck and interconnecting bridges construction.





## OFFSHORE FIXED FACILITIES – SABRATHA JACKET PROJECT

### WESTERN LIBYA GAS PROJECT – SABRATHA PLATFORM - LIBYA

CLIENT: SAIPEM

PROJECT DESCRIPTION: One of the largest mediterranean offshore platforms ever built:  
❖ 25,000 t. jacket, ranked among the world biggest offshore substructures ever constructed.

SCOPE OF WORK: Fabrication and assembly at Saipem Arbatax Yard amin and secondary steel structures, caisson, risers, j-tube.





# UPSTREAM PROJECT: OFFSHORE FLOATERS

## OFFSHORE FLOATERS – SCARABEO 8 PROJECT

### SCARABEO 8 – SEMISUBMERSIBLE DRILLING UNIT

CLIENT: SAIPEM

**PROJECT DESCRIPTION:** Scarabeo 8 is a last generation semisubmersible drilling unit. It represents the state of the art of harsh environment and unmanned operation drilling unit. Scarabeo 8 will be capable of operating in water depths of up to 3,000 meters, in full dynamic positioning and of drilling to depths of up to 10,000 meters; it will also have a variable deck load of more than 6,000 tons.

**SCOPE OF WORK:** Fabrication and assembly at Saipem Arbatax Yard (Italy) of the steel superstructure deck, steel support, frame connected, supporting the helideck and helideck alluminium structures erection, process piping and piping support fabrication and erection, all equipment and outfitings erection.





## OFFSHORE FLOATERS – FPSO MODULES PACKAGES

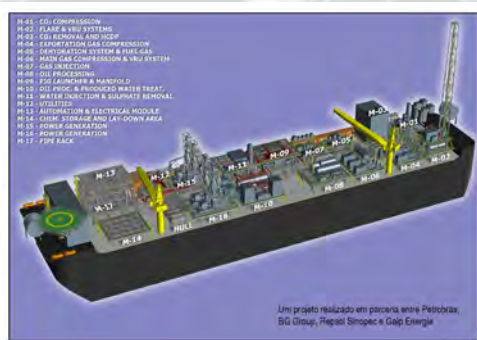
### PRE-SALT FPSO GUARA BV PROJECT – BRAZIL

CLIENT: PETROBAS

**PROJECT DESCRIPTION:** The FPSO Platform, located in the Santos Basin Pre-Salt offshore Brazil, at a water depth of 2,260 meters, have capacity to process up to 150,000 barrels of oil per day and compress up to 6 million m<sup>3</sup> of natural gas.

**SCOPE OF WORK:** Fabrication at Brazil Yard the following complete FPSO modules packages:

- ❖ Fuel gas and gas dehydration
- ❖ Power generation





An aerial photograph of an industrial construction site, likely for offshore oil and gas infrastructure. The scene features several large yellow and red cranes, including a prominent lattice boom crane on the left. In the center, a tall, white and red derrick structure is visible. The foreground and middle ground are filled with various industrial components, including large yellow pipes and structural steel. The site is situated near a body of water, with a sandy beach and greenery visible in the background. The overall atmosphere is one of active industrial development.

# Thank You!

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