Saldimpianti
ENGINEERING
Oil & Gas Construction

COMPANY PRESENTATION

Saldimpianti Engineering Oil & Gas Construction

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Saldimpianti ENGINEERING Oil & Gas Construction

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.

Saldimpianti ENGINEERING Oil & Gas Construction

I. GENERAL INFORMATION: QHSE MANAGEMENT SYSTEM

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

Saldimpianti
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I. GENERAL INFORMATION: HSE COMMITMENT

Saldimpianti is committed to a zero incident culture

- Promotes proactive HSE leadership in all our activities
- Demonstratives commitment to creating a positive HSE team culture and personal responsability

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

Saldimpianti ENGINEERING Oil & Gas Construction

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 responsabilities.

I. GENERAL INFORMATION: OBJECTIVES

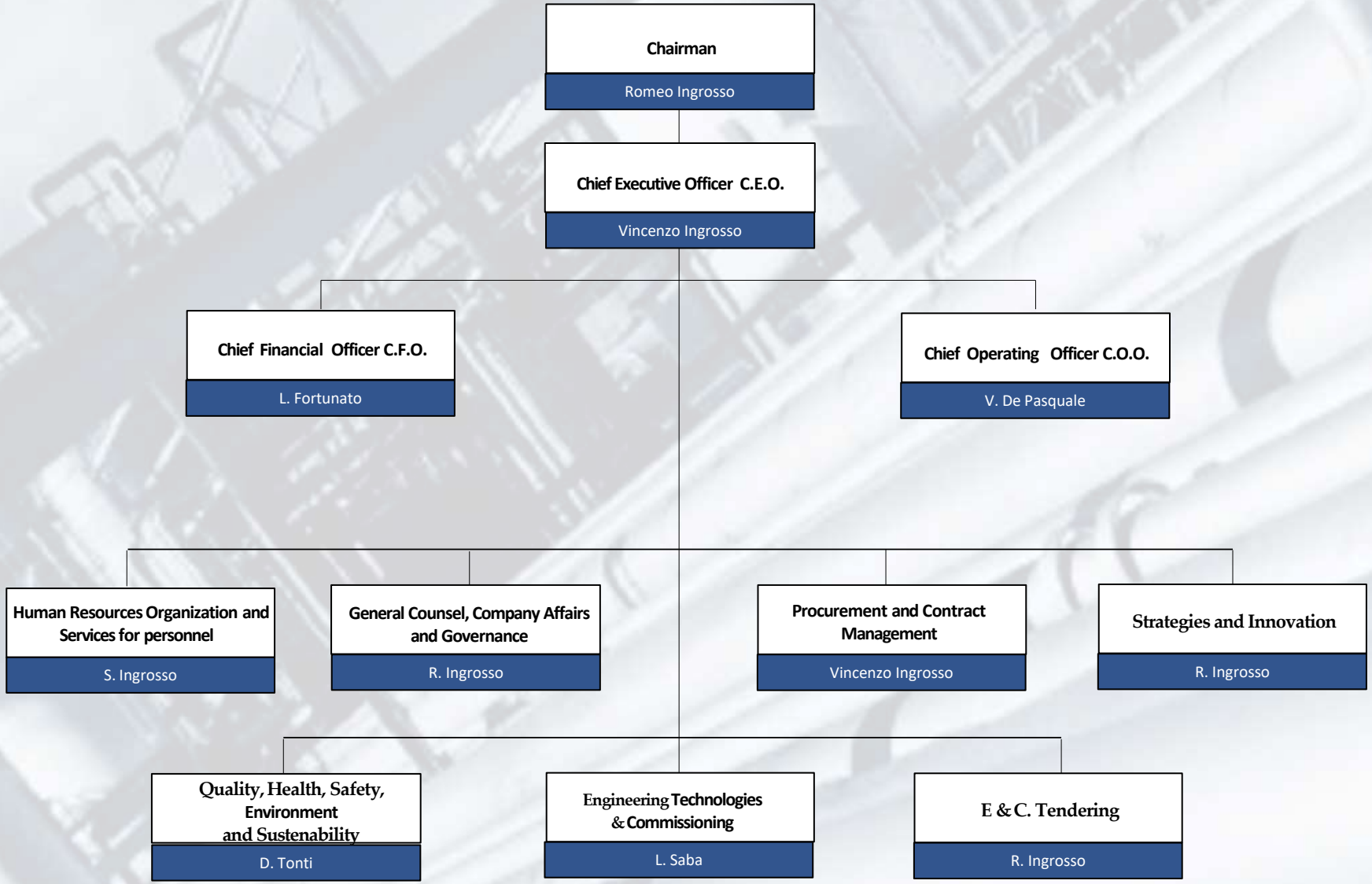
In transferring the contents of the Quality Policy to the organization of Saldimpianti Group, the following objectives have been defined:

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



Saldimpianti ENGINEERING Oil & Gas Construction

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

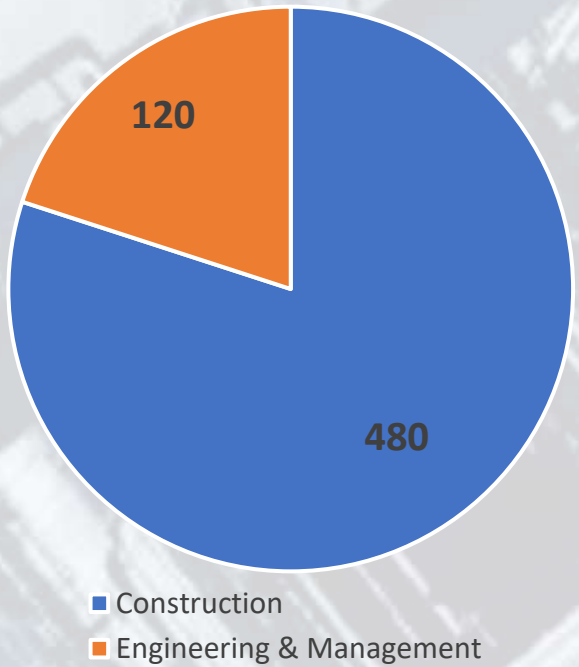
- Belgium
- Brazil
- United Arab Emirates
- Morocco
- Iran
- Iraq
- Romania
- Sardinia - Italy

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

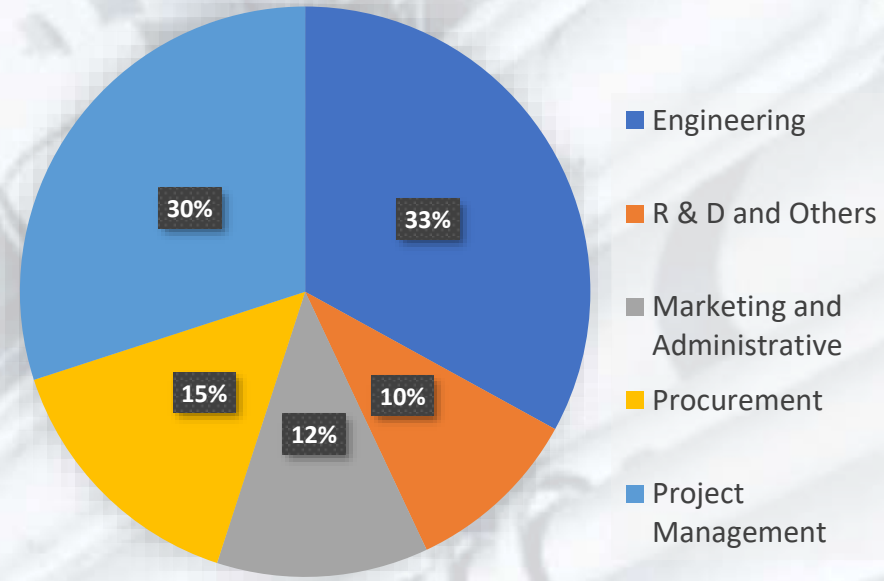
Saldimpianti ENGINEERING Oil & Gas Construction

I. GENERAL INFORMATION: SALDIMPIANTI GROUP HUMAN RESOURCES

General Workforce



Engineering & Management



Total Workforce: 600 in 2019

Saldimpianti ENGINEERING Oil & Gas Construction

I. GENERAL INFORMATION: MAIN CUSTOMERS

Saldimpianti ENGINEERING Oil & Gas Construction

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 commited 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

Saldimpianti ENGINEERING Oil & Gas Construction

MARKETS

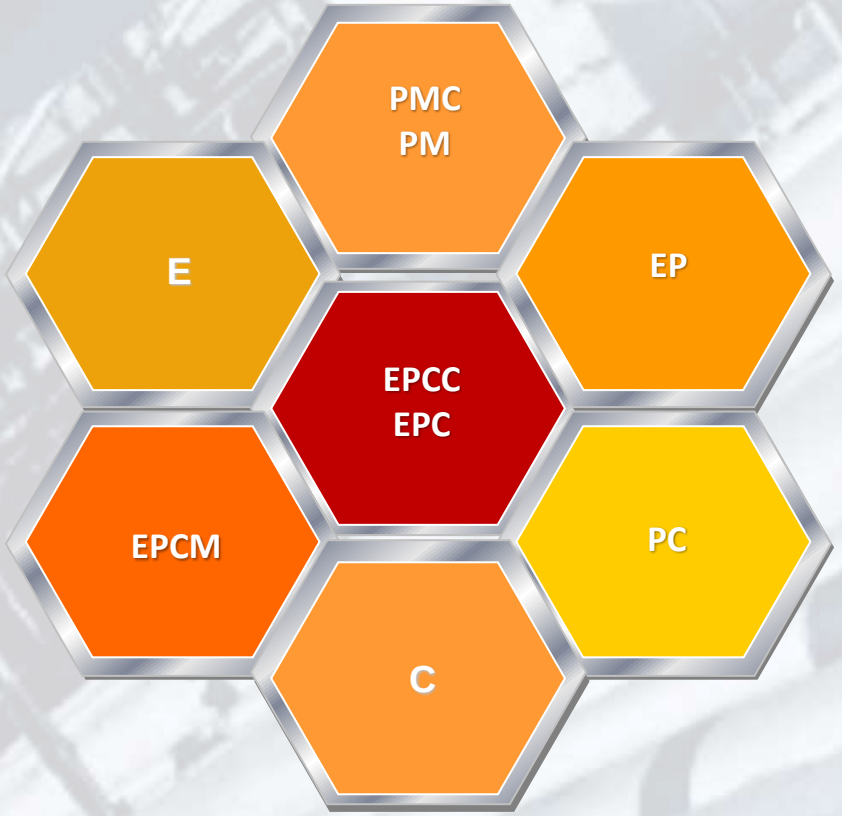
UPSTREAM TO DOWNSTREAM SERVICES

- 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

Saldimpianti ENGINEERING Oil & Gas Construction

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

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

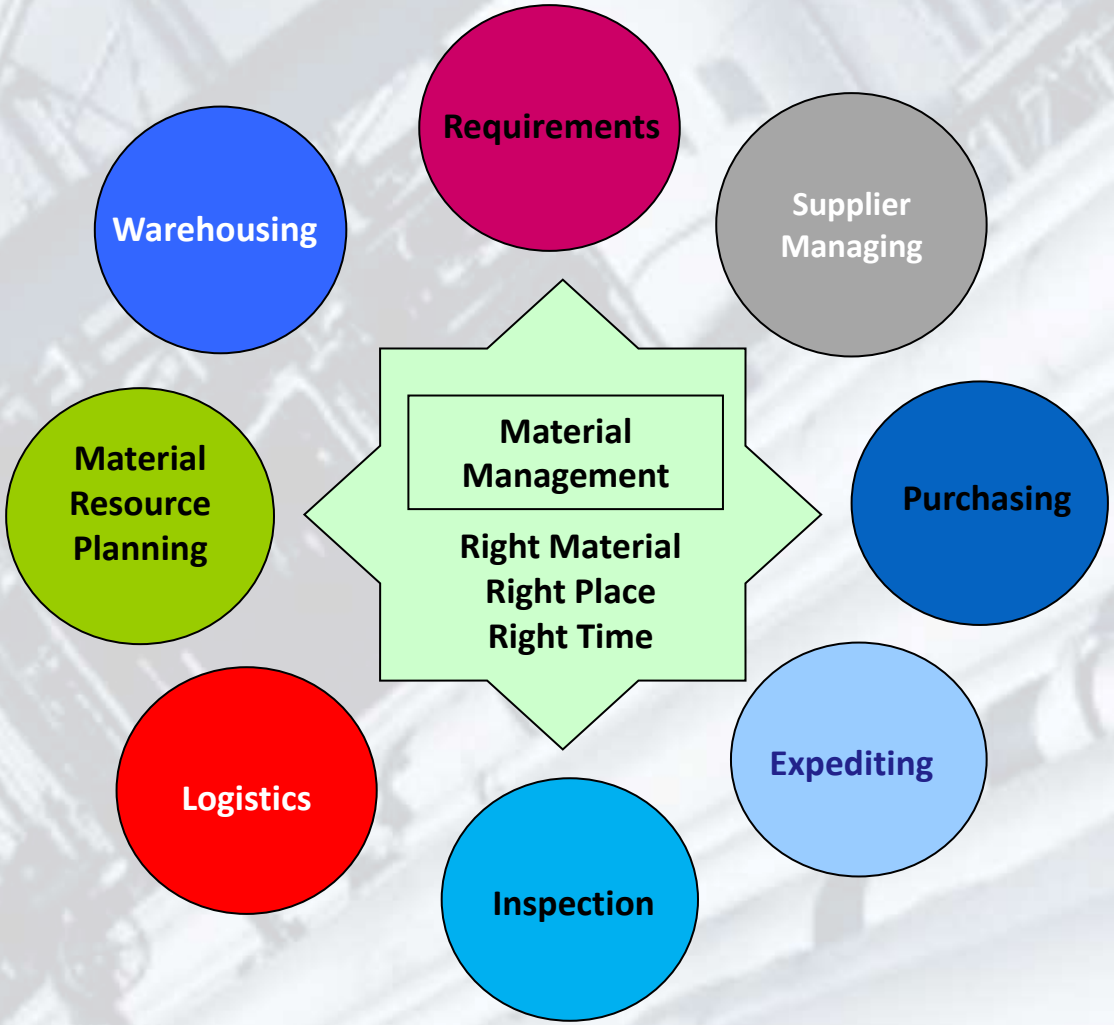
TANK

Codes & Standards

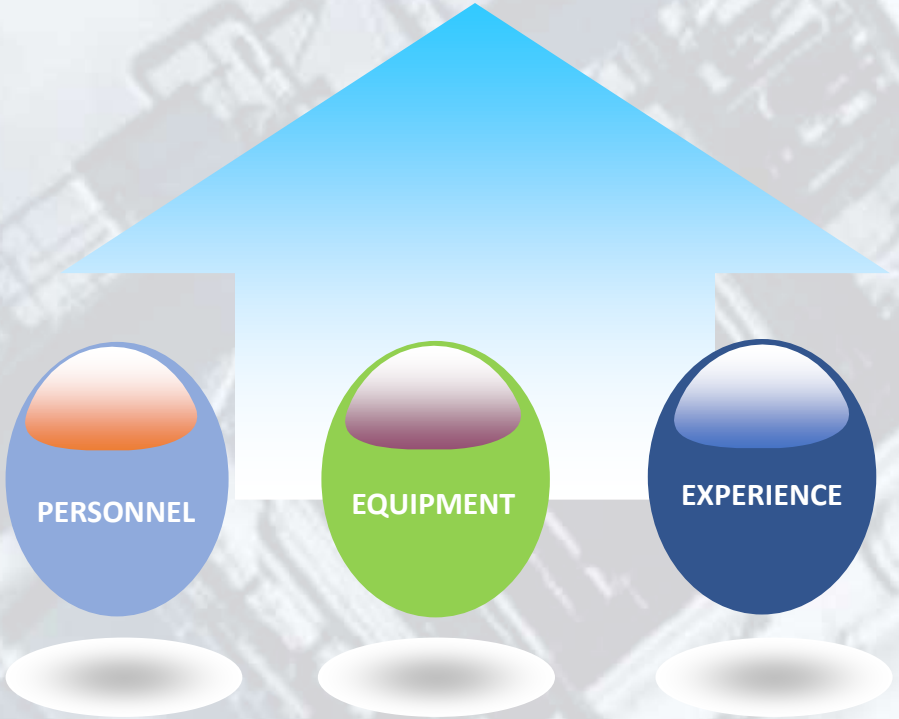
- AA
- ACI
- AMCA
- ANSI
- API
- ASCE
- ASME
- ASTM
- AWS
- AWWA
- BS
- BSEN
- EN
- IEC
- IEEE
- FAA
- IESNA
- ISA
- ISO
- MSS
- NACE
- NF
- NFPA
- OSHA
- PIP
- UL

Saldimpianti ENGINEERING Oil & Gas Construction

PROCUREMENT CAPABILITIES



TOP CONSTRUCTION TEAM



480 skilled workforce

200 major domestic & international projects experience

10 sets of huge cranes

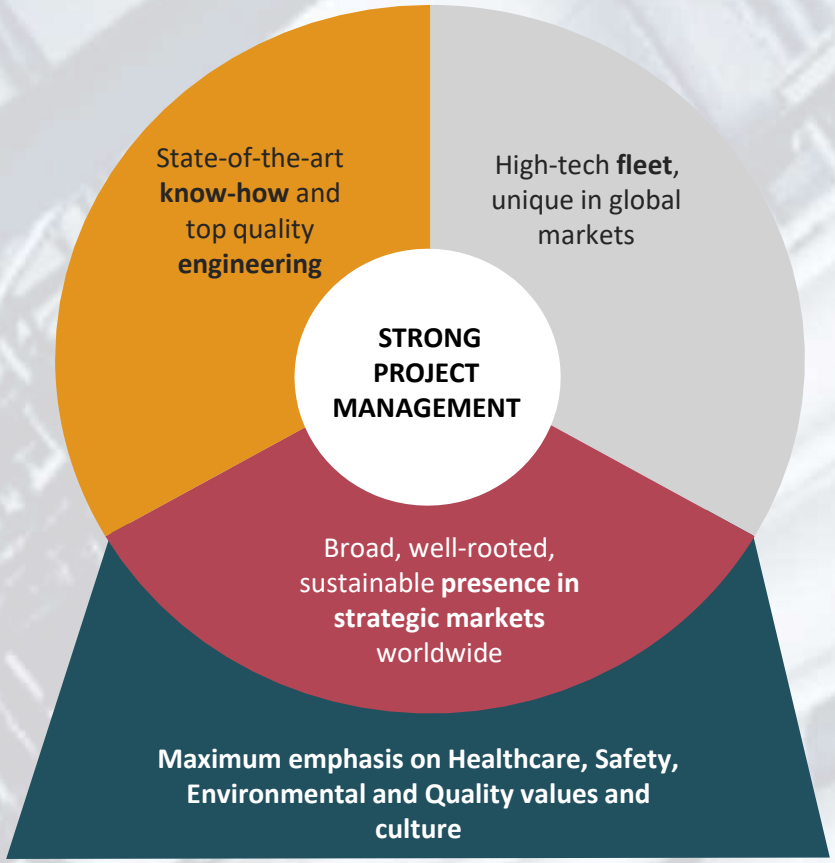
300 sets of welding machines

5 sets of transportation equipment

Saldimpianti ENGINEERING Oil & Gas Construction

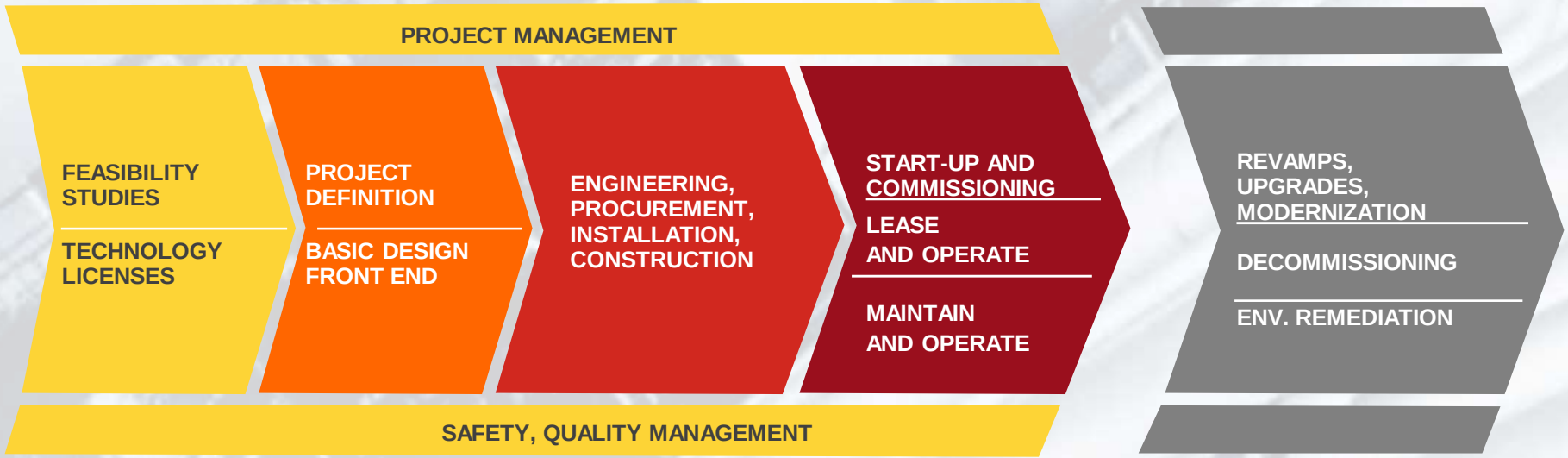
III. BUSINESS MODEL

SALDIMPIANTI BUSINESS MODEL



Saldimpianti ENGINEERING Oil & Gas Construction

SALDIMPIANTI: COMPLETE RANGE OF EPC/EPIC SERVICES



Saldimpianti ENGINEERING Oil & Gas Construction

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

Saldimpianti ENGINEERING Oil & Gas Construction

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

Development of local skills

Effective engagement of all stakeholders

- 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

Objective: deeply rooted local sustinable presence

Saldimpianti ENGINEERING Oil & Gas Construction

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 recruting 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 procerement 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 vlue 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 contitions of the territory in whic we operate

Saldimpianti ENGINEERING Oil & Gas Construction

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 conntinuous 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 managemment-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

Saldimpianti ENGINEERING Oil & Gas Construction

SALDIMPIANTI BUSINESS STRATEGY

20%
cost reduction
IN PROJECT DELIVERY

30%
schedule improvement
In monthly starts and finishes

Self-perform EPC
broaden, deepen &integrate capabilities

Develop profond insights
Into our customers'needs

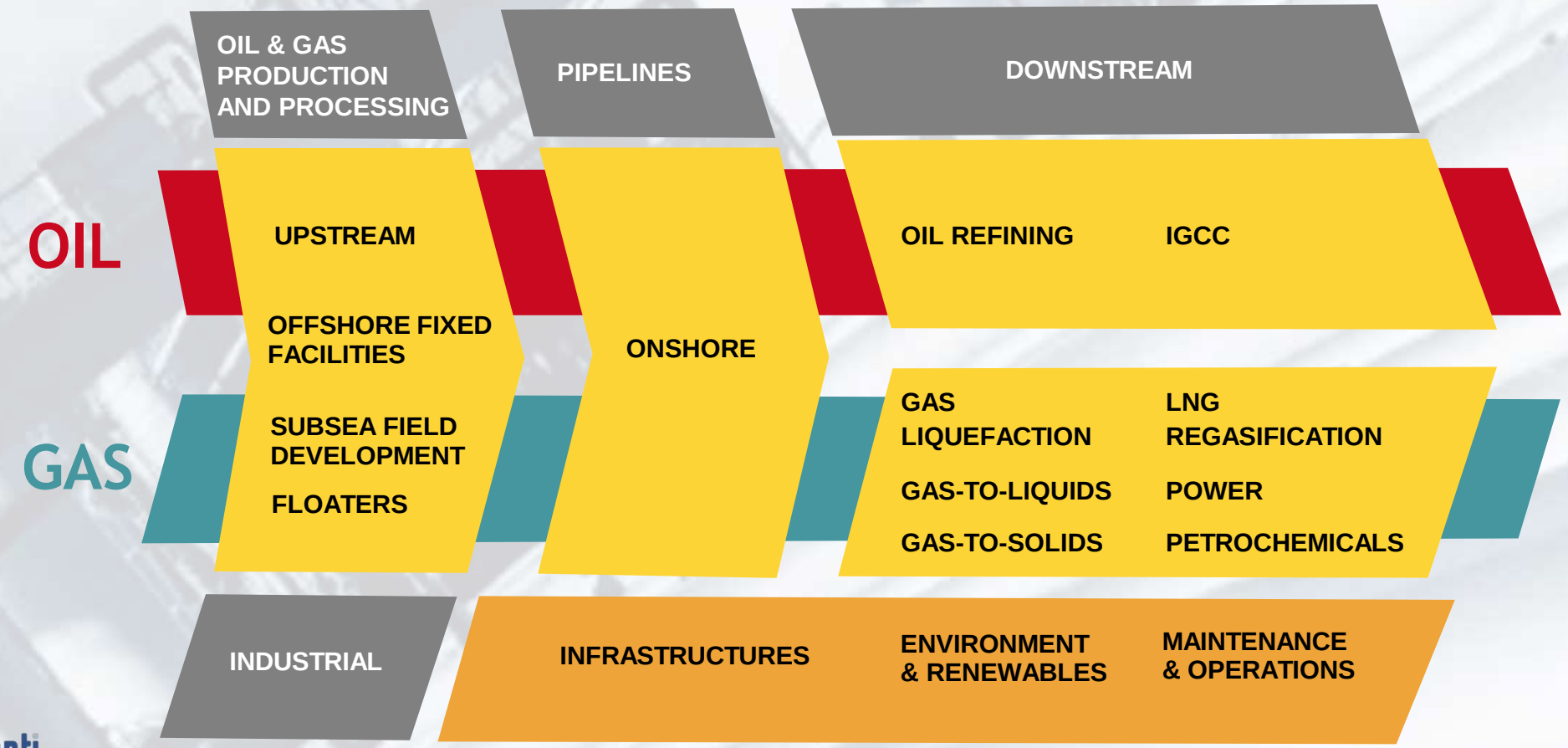
Differentiate
Process technology, innovative EPC tools, and work processes

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

Saldimpianti ENGINEERING Oil & Gas Construction

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



Saldimpianti ENGINEERING Oil & Gas Construction

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.

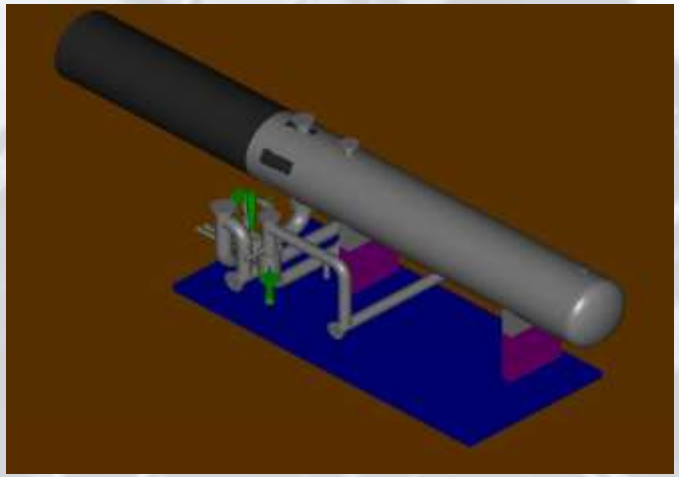
We provide comprehensive engineering, fabrication, procurement and construction services for modular projects. This integrated approach is possible because we have a global network of engineering, procurement and construction resources, and we are one of the few EPC companies with in-house fabrication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

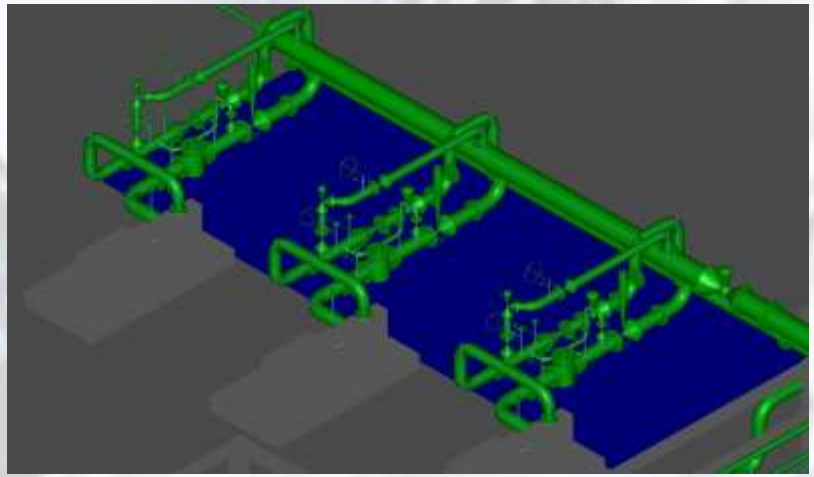
Modularization can be considered for all process plant projects and can provide a number of benefits:

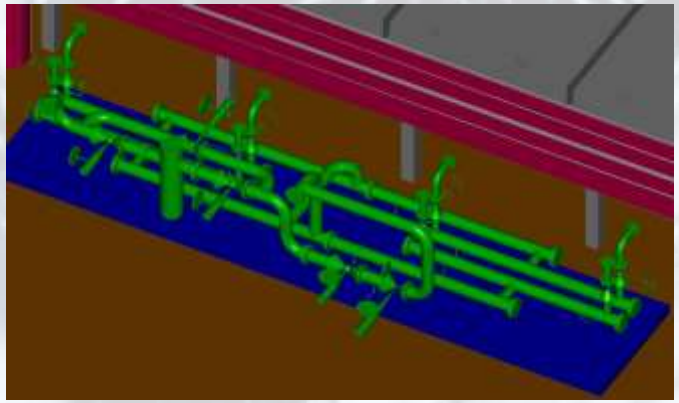
- Decreases risk associated with field construction
- Reduces on-site construction personnel
- Pre-assembly in a controlled shop environment minimizes incremental weather conditions
- Achieves higher productivity
- Reduces overall cost and delivery schedule, resulting in earlier startup, production and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

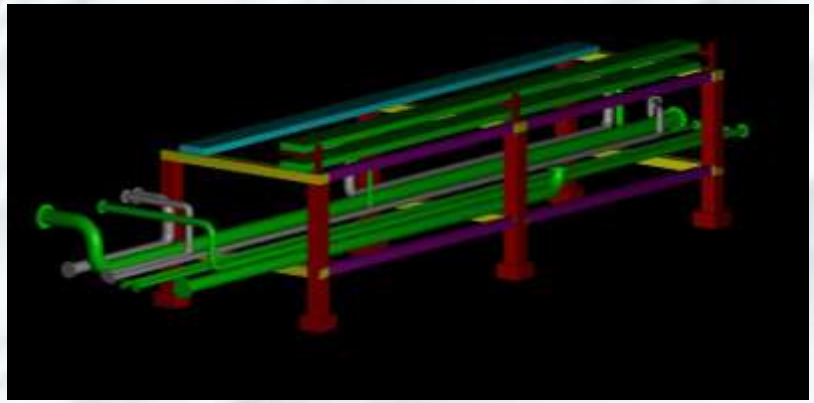
MODULARIZATION CAPABILITIES

Integrated Design 3D Model





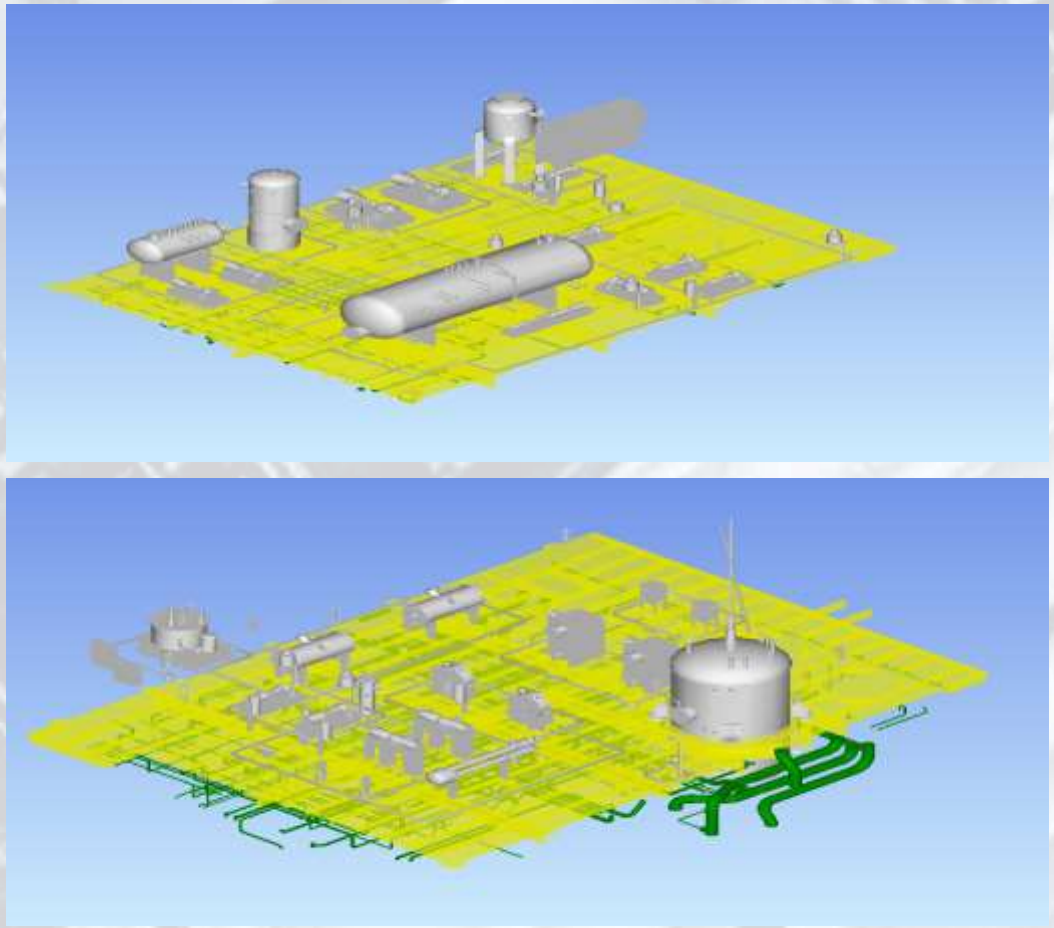




Saldimpianti ENGINEERING Oil & Gas Construction

MODULARIZATION CAPABILITIES

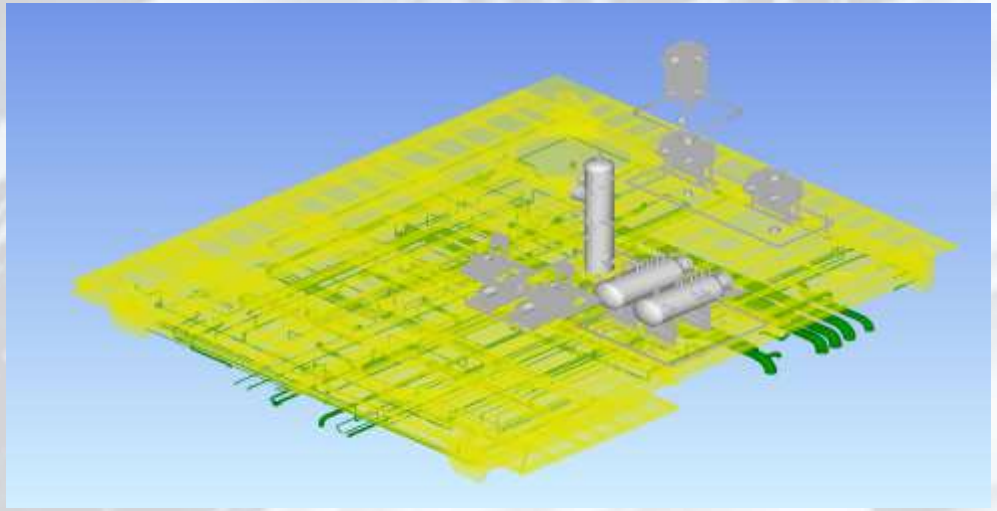
Module Assembly

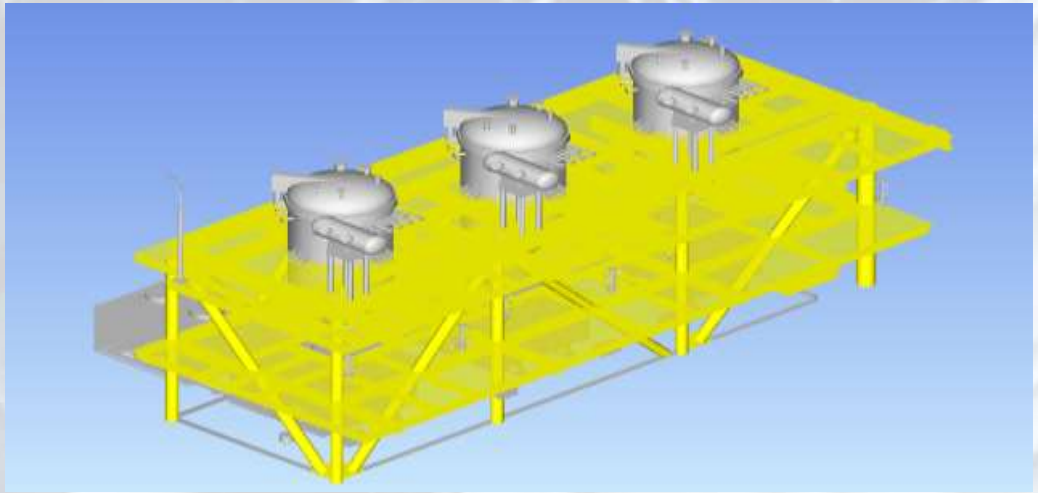


Equipment Installation for first floor, second floor, third floor & fourth floor

MODULARIZATION CAPABILITIES

Module Assembly

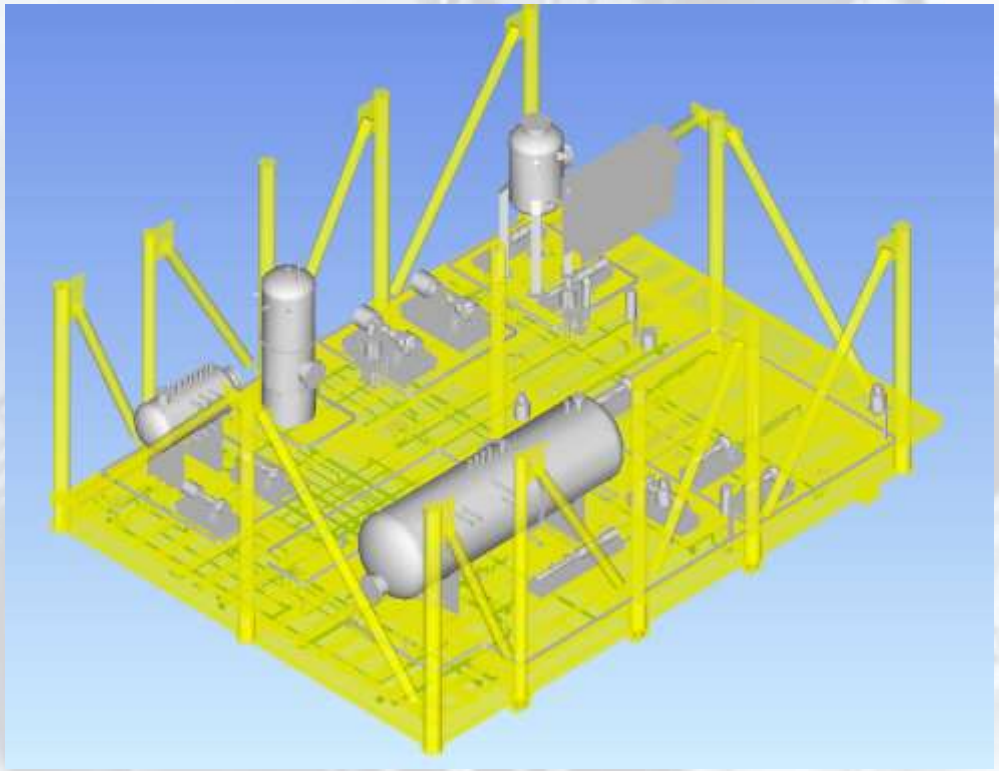


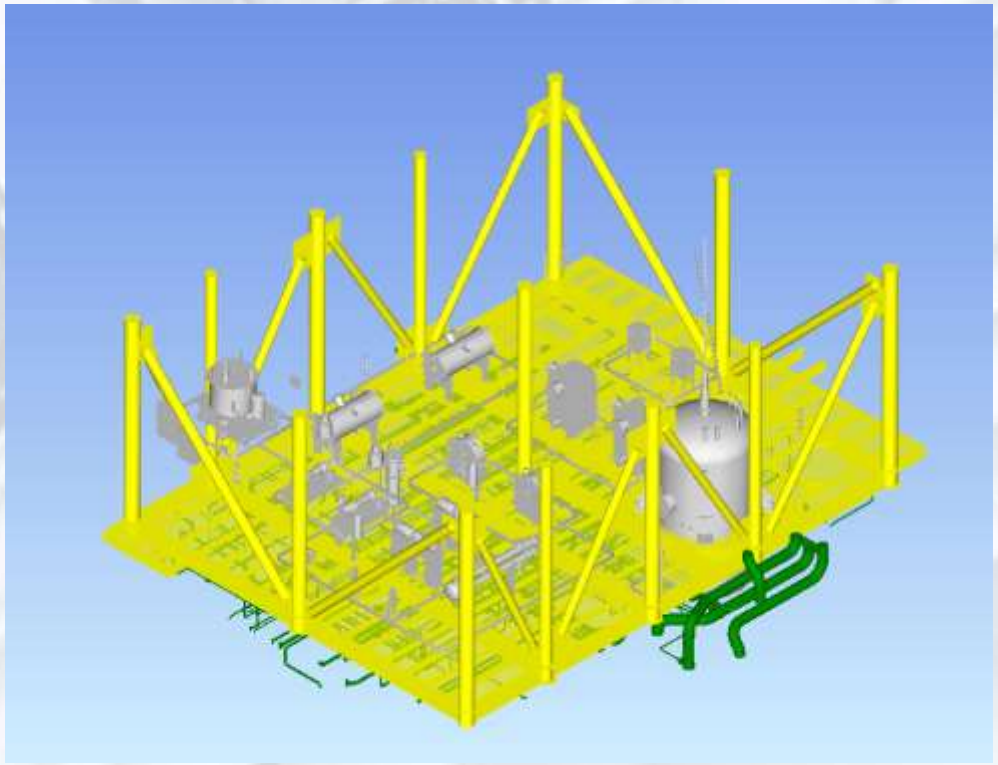


Equipment Installation for first floor, second floor, third floor & fourth floor

MODULARIZATION CAPABILITIES

Module Assembly

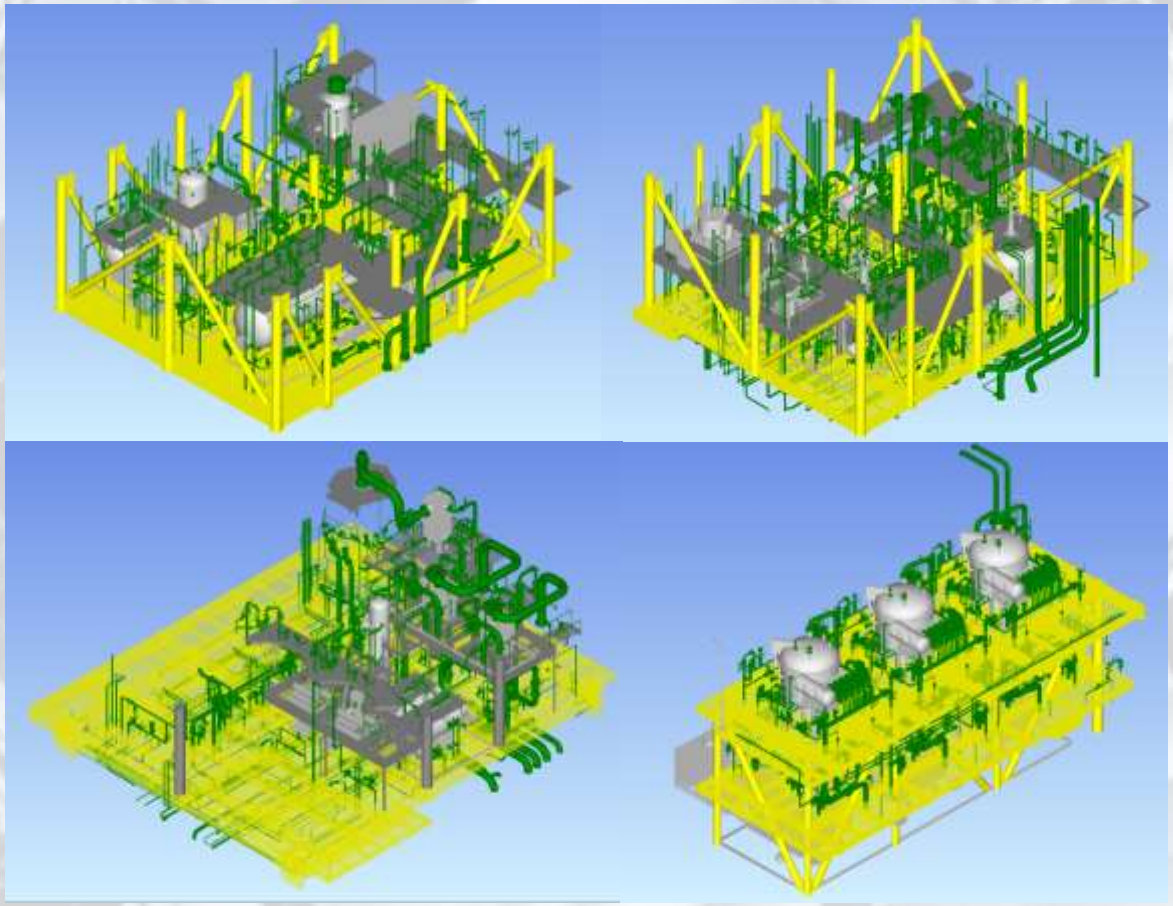




Columns & bracings assembly for first floor, second floor

MODULARIZATION CAPABILITIES

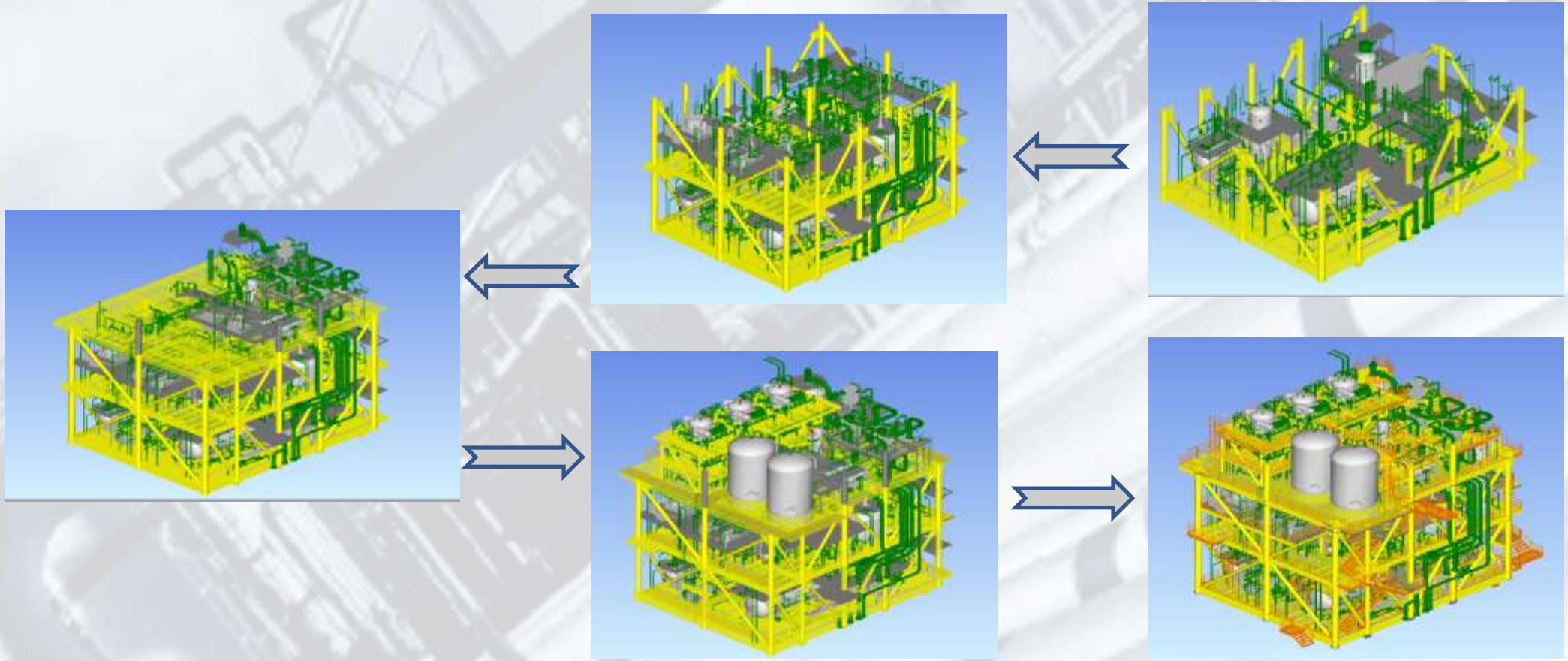
Module Assembly



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

MODULARIZATION CAPABILITIES

Module Assembly



MEG Module Overall Assembly

Load Out Procedure by Crane (Optional)

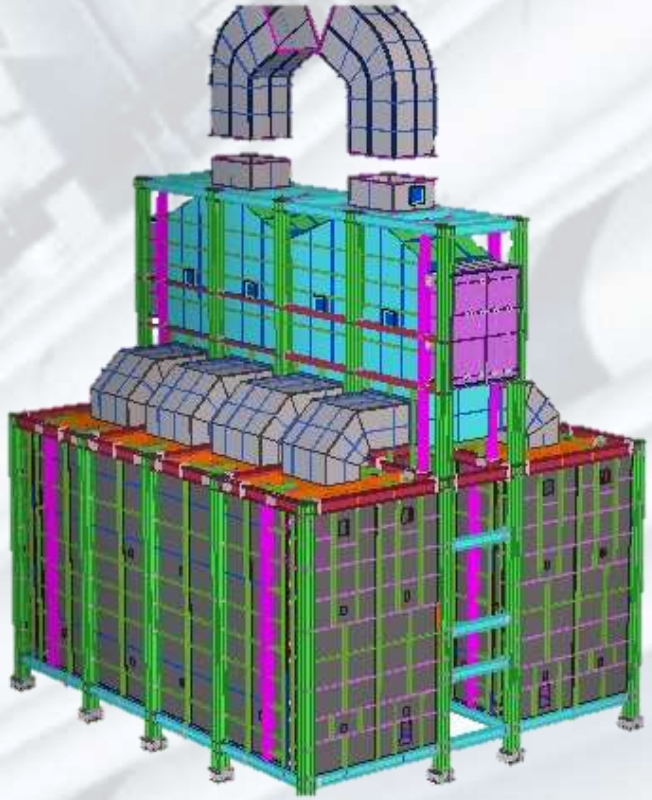
MODULARIZATION CAPABILITIES

Modularized Heater

Hydrogenation Heater

MODULARIZATION CAPABILITIES

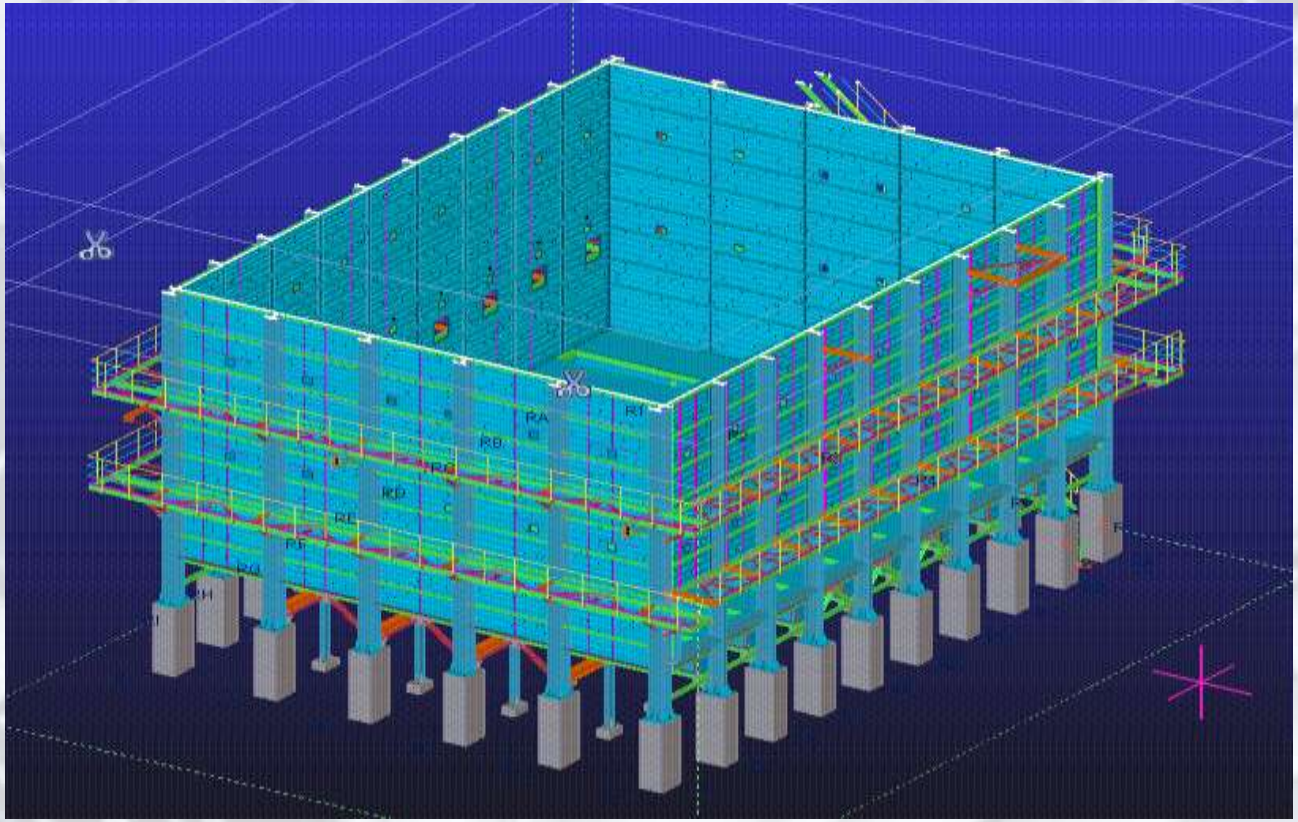
Modularized Heater



CDU&VDU Heater

MODULARIZATION CAPABILITIES

Modularized Heater



MODULARIZATION CAPABILITIES

Heater Manufacture

MODULARIZATION CAPABILITIES

Heater Manufacture

MODULARIZATION CAPABILITIES

Heater Installation

VIII. MAJOR PROJECTS

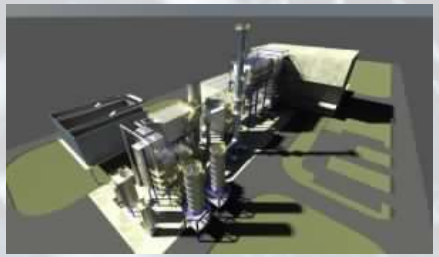
DOWNSTREAM PROJECT: POWER GENERATION

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





Saldimpianti ENGINEERING Oil & Gas Construction

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.





Saldimpianti ENGINEERING Oil & Gas Construction

POWER GENERATION – AIR COOLED CONDENCER 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





Saldimpianti ENGINEERING Oil & Gas Construction

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

Saldimpianti ENGINEERING Oil & Gas Construction

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





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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





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POWER GENERATION – STEAM TURBINE AND CONDENCER 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 Condencer 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 strucrures
- Gas Exchanger Erection
- Reactor Erection
- Bag Filter erection including filter penthouse
- Filter plenum walkway erection
- Bicarbonate silo assemply
- 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







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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

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 recieved 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 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 Polisch 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-of and recondensing facility), two cryogenic containers of 160,000 m^3 each for storing in-process LNG and regasification train to produce gas at the correct pressure for the greed.

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.




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DOWNSTREAM PROJECT: FERTILIZER COMPLEX

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

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









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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 Sapinhoa 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

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 dephts of 112 m.

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







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 od Aberdeen

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










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










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 trasported 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.








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.







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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.

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UPSTREAM PROJECT:
OFFSHORE FLOATERS

SCARABEO 8 – SEMISUBMERSIBLE DRILLING UNIT

CLIENT: SAIPEM

PROJECT DESCRIPTION: Scarabeo 8 is a last generation semisumersible drilling unit. It represents the state of the art of harsh environnement 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 outfittings erection.







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^3 of natural gas.

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

- Fuel gas and gas dehydration
- Power generation

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Thank You!

Saldimpianti Engineering Oil & Gas Construction
Main Head office - Operational Headquarters
Industrial Area Baccasara - 08048 Tortoli'(NU) - Sardinia (Italy)
Contacts: Ph.+39 0782 623190
e-mail info@saldimpiantiengineering.com
Website www.saldimpianti.com