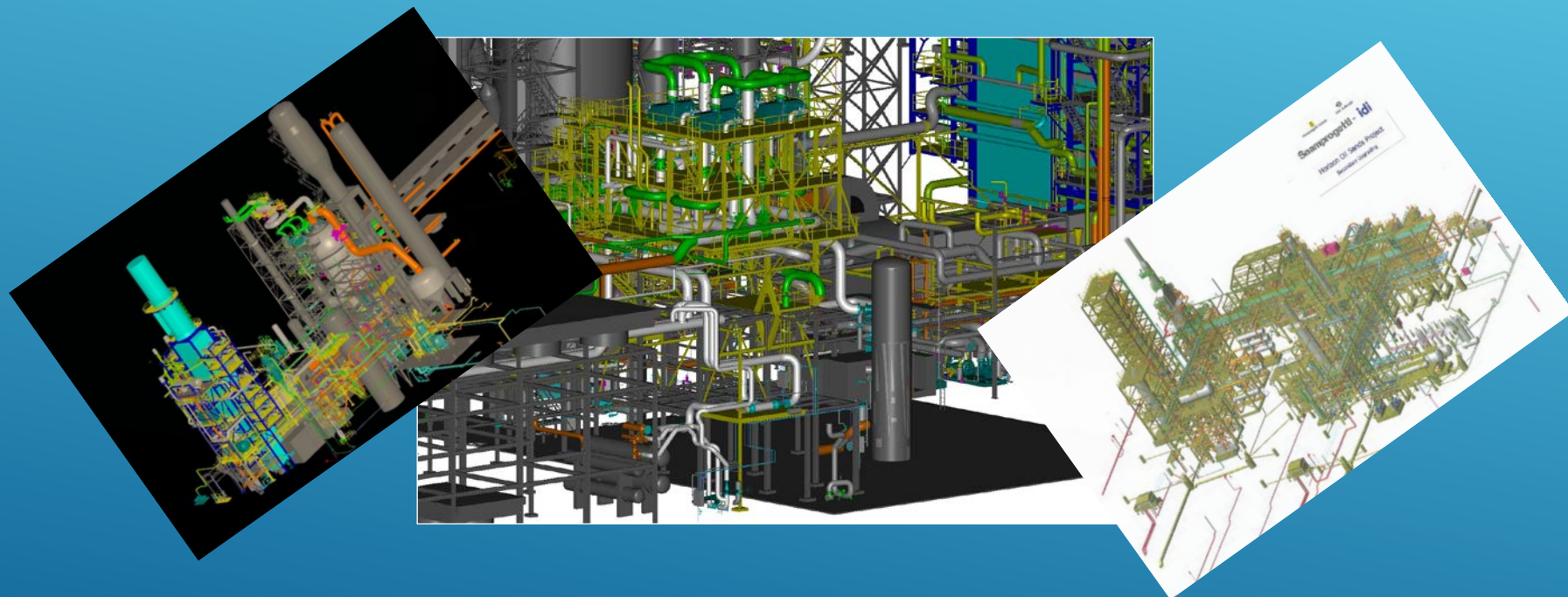




INGEGNERIA DEGLI IDROCARBURI

Engineering & Construction Industrial Plants



COMPANY PROFILE



Since 1970, **idi** INGEGNERIA DEGLI IDROCARBURI has been collaborating with the largest Main Contracting and Operating companies in the refining and petrochemical fields, becoming a point of reference as a plant engineering company.

Today the customer finds in **idi** a reliable partner able to develop the entire path of a project, starting from the process feasibility study to detailed engineering with assistance and technical supervision in construction and start-up.

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



OUR SERVICES

PROCESS

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

PLANT ENGINEERING AND MAIN ITEMS

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

OIL, GAS & WATER PIPELINES AND NETWORK

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

CIVIL WORKS & STRUCTURES

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

OUR SERVICES

ELECTRIC PLANTS

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

PROJECT MANAGEMENT

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

INSTRUMENTATION & CONTROL SYSTEMS

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

PROCUREMENT

- o Offer enquiries, commercial evaluations, orders issues, etc; on the basis of the material requisitions coming from the Technical Departments
- o Vendor list issue
- o Market researches
- o Expediting
- o Shop inspection and testing

OUR SERVICES

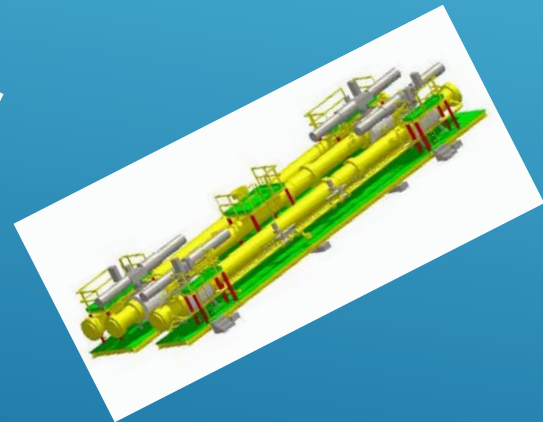
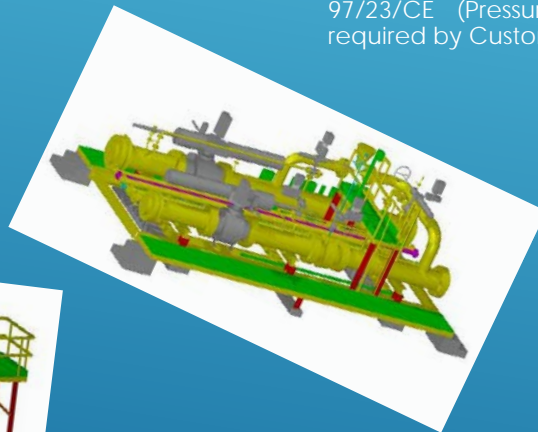
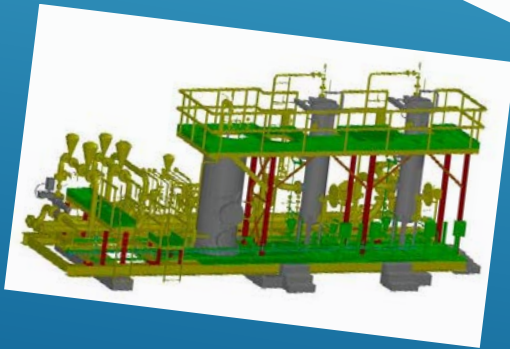
IT DEPARTMENT

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:

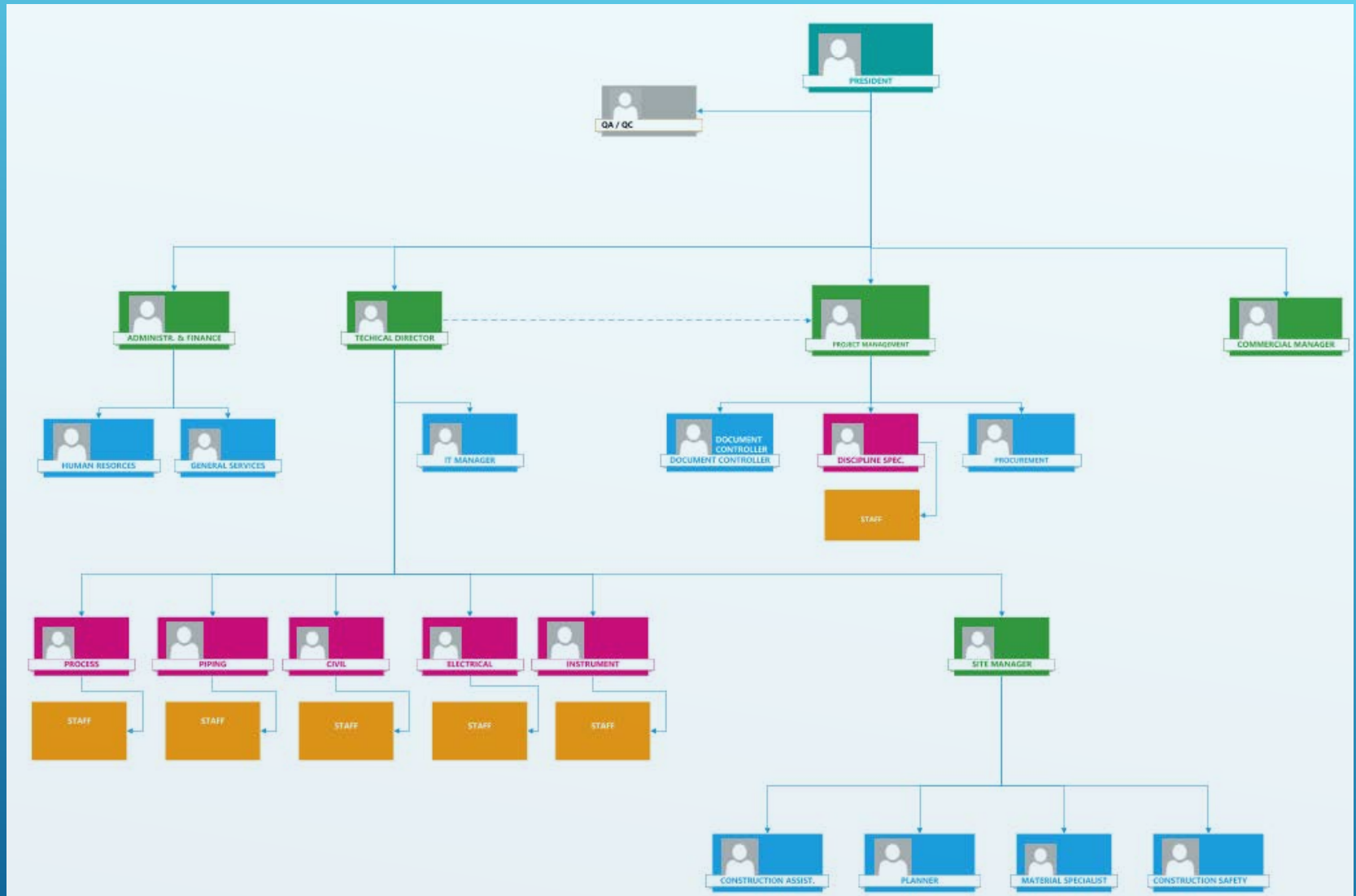
- o Software development and Technical Information Management of packages according to the company organization chart and to end user working systems
- o Software interface procedures to Customers' systems or to third party programs

OTHER ACTIVITIES

- o Supply of Oil & Gas and Petrochemicals Process and Utilities skid-mounted system
- o Operating, mechanical and maintenance manuals production
- o General and detailed specifications for field erection contracts (civil, mechanical, electric and instrumental works)
- o Technical assistance during erection, testing and start-up of process plant
- o 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



OUR CLIENTS

EPC & Main Contractors

Siirtecnigi



Sices Construction



Erg Petroli



Saipem



Snamprogetti



Tecnomare



Abb



Kti - Lurgi - Paragon Litwin

Tectubi



Fortum – Neste Engineering



U.R.S.



Bonatti Group



End Users / Industries

Iplom



Sarlux-Saras



Tamoil



Eni div. Agip



Rusal-Eurallumina



GENERAL INFORMATION

idi INGEGNERIA DEGLI IDROCARBURI

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

idi, RP-SARDA e S.Y.AS have promoted a collaboration, through an ATI, combining their knowledge, skills and experience to offer complete engineering services in the Oil & Gas and Industrial sectors. This union allows you to tackle much more demanding projects by having a single interlocutor.

