



# sider PLUS

ENGINEERING & CONSULTING

To know more...





We are glad to present **SIDERPLUS S.r.l.**  
Engineering & Consulting company

SIDERPLUS offers its services for industrial and civil design and consulting in the following areas :

- Oil & Gas
- Iron and Steel
- Chemical and Petrochemical
- Food
- Offshore platforms
- Energy production
- Water treatment
- Cement
- Infrastructures
- Service industry

The group make its skills available on the market for the design of industrial plants and it has a working potential of about 30.000 hours a year + 20.000 hours per year using out-sourcing resources and it is able to offer consulting services for 20.000 hours a year. Design department made up by a team of experts coming from excellent backgrounds, allow to create the following "specialized units":

- Project management and control
- Process
- General plant design
- Piping & lay-out - 3d modeling
- Building works / underground
- Carpentry works and stress analysis
- Electrical- instrumental (outsourcing)
- Automation (outsourcing)
- Machineries (outsourcing)



## GENERAL PLANT DESIGN ENGINEERING

We provide the following activities for the development of basic and detailed Engineering:

- COSTS EVALUATION
- STUDIES FOR COSTS OPTIMIZATION AND PROJECTS SUPPLY LIMITS
- PROJECT MANAGEMENT
- DEVELOPMENT OF COMPLEX SYSTEMS RELATED TO THE PLANT DESIGN
- ELABORATION OF FLOW-SHEET, BLUEPRINTS OF SERVICES DISTRIBUTION LINES, PIPING CLASSES AND DATA SHEET
- ELABORATION AND SUPERVISION OF PIPING DESIGN
- PURCHASE SPECIFICATIONS AND SUPPLIERS MANAGEMENT
- P & ID PROCESSING (ONLY MECHANISATION)
- ELABORATION OF MATERIAL TAKE-OFF
- ELABORATION OF DATA-SHEET/EQUIPMENT TECHNICAL SPECIFICATIONS
- ELABORATION OF LAY-OUT PLANT, LAY-OUT, UNDERGROUND
- PRELIMINARY AND EXECUTIVE BUILDING WORKS
- PRELIMINARY AND EXECUTIVE METAL CARPENTRY WORKS
- STRUCTURAL CALCULATIONS
- DETAIL ENGINEERING: ASSEMBLY MAP – ISOMETRICS PIPING LINE - MECHANICAL PARTS
- DOCUMENTS FOLLOW- UP
- EDITING OF SPECIFICATIONS AND REQUIREMENTS FOR TENDERS
- TECHNICAL OFFERS ADJUSTMENT
- ECONOMIC TABULATIONS
- EXPEDITING
- 3D MODELING
- PIPING STRESS ANALYSIS
- PIPE RACKS
- MULTIDISCIPLINARY ACTIVITIES PROJECT COORDINATION
- ACTIVITIES COORDINATION AS-BUILD



## ENGINEERING FOR STEEL AND IRON PLANTS MACHINERIES

The activities of basic and detail engineering provided in Steel and Iron field are the following:

- Slabs, billets, coils, pipe, bars, wire rod Automatic handling machines
- Roller tables
- Walking beam, transfer carriage, tilter
- Chain conveyor, charge/discharge bed, belt conveyor
- Weighing system, fiscal weighing system
- Arm charging system, rotating arm system
- Continuous casting plants (segments, tundish cars , girasiviere tower , evacuation roller tables, false slab recovery baskets)
- Walking beam furnaces, tunnel furnaces
- Revamping for modification, improving, modernization of existing machines for mills, pipe mills, continuous casting plants
- Operators insulated room and quality insurance instrument cage
- Fixed and mobile structures for operator safety and machine cover



## CONSULTING

On request, this service ensures the completion of a project entrusted to SIDERPLUS. Provided activities deal with:

- Engineering support and supervision during construction phase
- Pre-commissioning
- Commissioning
- Plant start-up
- Support during plant operation for the achievement of production targets
- O&M staff training
- Safety

Moreover, the experience of an highly qualified team on Iron and Steel industry, allows to work on:

- Strip mills
- Plate mills
- Continuous bar mills
- Cold rolling mills
- Pipe mills
- Blast furnaces
- Continuous casting plants
- Electric steel plant
- Integrated works steel plant

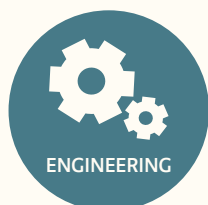
**SIDERPLUS will ensure the completion of the engineering activities till the plant start-up . On request, a team of experienced technicians can offer its service for specific activities all around the world.**




## OUTSOURCING ACTIVITIES

**Outsourcing specialized activities entrusted to partner Engineering companies:**


- Pressure equipment calculations and atm
- Electrical bt/MT and instrumental design
- Automation project
- FEM (Finite Element Method) Calculation



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