

Ingeteam

Ingeteam Power Technology S.A., Industry Unit

Provides Automation Solutions, Energy-efficient Drive Solutions also Electrical Equipment for the metallurgical sector

Founded in 1972, Ingeteam Power Technology's Industry Unit (IPT) is an internationally renowned and leading company in the supply of global state-of-the-art engineering services; a company that develops electrical engineering and control systems for the industry. It is experienced in a wide spectrum of industrial environments, highly skilled in project management, integration of systems and engineering as well as project execution and commissioning.

Ingeteam Power Technology's Industry Unit specialises in electric drives and industrial automation processes. The Industry Unit develops systems, using the most advanced technologies available in the market, geared towards improving industrial monitoring and control functions.

AUTOMATION AND DRIVE SOLUTIONS

Ingeteam Power Technology offers a complete range of electrical equipment and automation services for process monitoring and control systems. These services meet the most advanced tendencies in industrial automation and based on simple and effective, fully integrated, automation concepts, with in-house manufactured products as well as third-party platforms.

At the essential level of the industrial automation pyramid are the following modules:

- Installation management modules
- Setup management
- Data acquisition modules
- Historical data storage modules
- Alarms and events processing modules
- Operating panel editing modules
- Operating panel monitoring modules
- Production tables and recipe modules
- Report generation modules
- Alarm notification modules
- Website access modules
- Energy saving modules

GENERAL SERVICES

Management / Project Coordination

Provision of human resources to control and monitor the integral development of each project.

Engineering and Documentation

Analysis, design and execution of the basic and detail engineering, electrical equipment and automation.

Energy Distribution

Supply of Medium Voltage Switchgear, power transformers and auxiliary installation for the distribution of energy.

Drive Systems

Regulation of motors and electric generators using electronic power equipment of in-house design and manufacture.

Integrated Automation Systems

Design of level 1, level 2 and TCS (Technological Control System) hence, improving data management and optimizing processes built values.

Workshop Tests

We have our own installations to carry out tests on equipment, and check software in hardware platforms.

Electrical Installations

Supervision and execution of the complete installation based on developed engineering and the applicable standards.

Commissioning

The technical personnel that participated in the previous phases of a project will also be in charge of its execution.



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SOLUTIONS FOR THE METALLURGICAL SECTOR

The metallurgical sector develops several manufacturing processes, ranging from heavy industrial production of iron and steel slabs to delicate processes for aluminium and copper production.

These applications require a wide diversity of processes (hot and cold), different technologies (continuous and in batches) and ferrous metals (iron and steel) and non-ferrous (aluminium, copper, bronze and zinc).

Ingeteam Power Technology designs solutions to suit its customers' budgets. Many of our customers seek to make improvements in their processes and plant efficiency levels through operational expenses (OPEX, operational expenses) instead of making use of large capital investments (CAPEX, capital expenditure).

Ingeteam Power Technology's Industry Unit provides automation solutions and a vast range of support services for:

- Smelting and ladle furnaces.
- Direct Reduction Plants (DRI).
- Continuous Casting.
- Reheating Furnaces.
- Hot strip mills: long and flat product.
- Cold rolling mills.
- Galvanizing lines.
- Painting lines.
- Pickling lines.
- Degreasing lines.
- Cutting and inspection lines.
- Cutting and measurement machines.
- Aluminium cold rolling mills.
- Copper cold rolling mills.

MODERNIZATION PACKAGES

Modernization solutions specially tailored to the needs of our customers improve plant competitiveness.

As a supplier of many electric and automation systems in the metals industry, IPT have developed modernization packages and upgrade solutions as a cost-effective method for improving system performance and maintaining asset value. IPT's modernization packages are designed to get a state-of-the-art system without the need to replace the entire plant equipment. Another advantage: availability and performance improvements can be achieved at low investment costs.

Measurement, control and distribution

- Programmable Logic Controllers (PLC).
- Human Machines Interfaces (HMIs).
- SCADA Software.
- Instrumentation (pressure, level, flow).
- Drives and motors in LV and MV.
- Motor Control Centres (MCCs) and accessories.

The aforementioned is successfully achieved by maintaining all the field devices and units centralized, using a field bus and segmented grid.

The services we offer comply with the highest standards, meeting the required deadlines, including advisory services, consultancy, design and implementation of systems and their maintenance. Our platforms are designed to meet the industry sector's demanding needs; the range of functions offered by these platforms allow our customers to attain the maximum levels of efficiency, flexibility and profitability.

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READY FOR YOUR CHALLENGES

