

Ingeteam

Ingeteam Power Technology S.A. Industry Unit

Provides Automation Solutions, Drives and Electrical Equipment for open-pit mining and bulk-material handling.

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.

SOLUTIONS FOR THE MINING INDUSTRY

IPT is well positioned to bring together industrial enterprise software spanning process control, production management, operational planning and optimization. Our Automation Solutions and drive systems, add value, from the extraction site through the processing plant directly to rail or port facilities:

- Speed system design with integrated software environments.
- Comprehensive library of pre-set configurations and faceplates developed specifically for the mining industry.
- Increase uptime through power and automation components featuring built-in diagnostics and communications.
- Ease integration of new devices with single entry of tags and descriptions.
- Maintain continuous operation and product quality.
- Meet regulatory requirements with enhanced reporting capabilities.
- Enable an energy management strategy with Intelligent Motor Control.
- Improve personnel and equipment protection with integrated safety solutions.

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

IPT integrates in-house drive technology low-and medium-voltage frequency converters, using high efficient state-of-the-art equipment, or installs the equivalent technology available in the market.

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

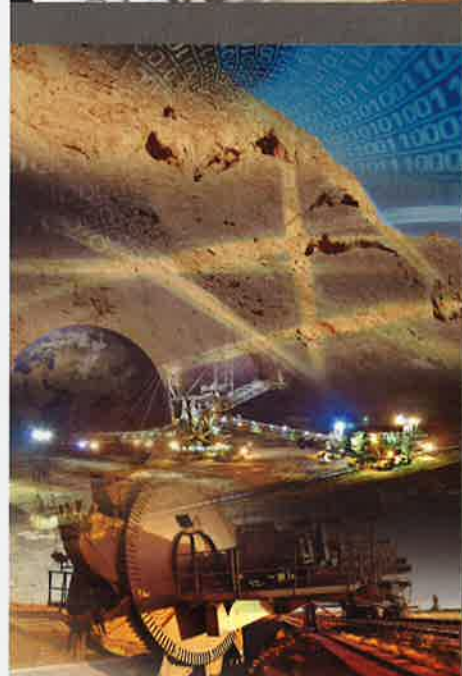
We have our own installations to carry out tests on equipment, and check software in hardware platforms.

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.



Ingeteam

Whatever your business is handling – from coal to copper ore, from iron ore to overburden – IPT can be your electrical partner in the fields of open-pit mining and bulk-material handling.

Electrical Solutions and Products for Continuous Mining; Mining Drive Process Solutions integrates our solutions for all steps in continuous mining. These include our power supply, automation and drive systems. Solutions and products for mills, conveyors, hoists/winders, mining pump systems and high pressure grinding. Our solutions guarantee safe and economical operation and optimized output. By integrating diagnostic tools, we ensure efficient maintenance and reduced life-cycle costs throughout the entire process. Focused on process optimization, increased output and lower operating costs in preparation plants in the metals-ore industry. IPT integrates, electrical engineering, automation and drives technology from a single source, creating end-to-end improvements that are greater than the sum of the individual parts.

STATE-OF-THE-ART TECHNOLOGY

IPT combines its extensive industry knowledge with its application expertise to select the most economical drive solution for our clients particular, often unique circumstances. From single/dual pinion and high pressure grinding rolls to material handling, pumping and conveying systems, we continually strive for the highest availability, productivity and energy efficiency clients operations can achieve.

Whether it is a greenfield plant, the extension or the modernization an existing plant, IPT provides tailored automation solutions that use real-time data - enabling constant monitoring and analysis of clients process combined with improved asset availability.

MINING AUTOMATION SOLUTIONS

We develop automation solutions required for precise interaction between the basic movements of mining and mineral transportation equipment within the mine. With remote locations and rugged conditions, our product quality and mix of services and support is more important than ever before. Our team provides integrated products, services and solutions to help mining and mineral processing customers optimize their power and productivity resulting in increased availability and lower lifetime 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.

IPT offer the broadest range of high, medium and low voltage equipment for switching and distributing electrical power. Solutions are engineered for safety, flexibility and security to keep operations running day and night. Including emergency power generation, prefabricated sub-stations, switchgear and transformers etc.

Our platforms are designed to meet the mining industry demanding needs; the range of functions offered by these platforms allow our customers to attain the maximum levels of efficiency, flexibility and profitability, maximum levels of efficiency, flexibility and profitability.

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READY FOR YOUR CHALLENGES

