Solutions for mining

Over 70 years’ experience of designing and manufacturing in-house products with outstanding reliability and performance, as well as accumulated technological know-how for a wide range of sectors, make Ingeteam - Indar the best option for mining equipment. Our product portfolio in the mining sector covers everything from pumps, motors, generators, control and protection systems, and frequency converters to complete drive systems for different mining processes. This knowledge, together with our wide range of products, allows Ingeteam - Indar to offer our mining clients a unique, reliable service and a prompt and accurate service to our clients with solution-oriented systems.

Consultancy

Given the importance of processes where the motor-converter package is installed, especially with systems integration projects, consultancy is important in terms of sizing and selecting all of the components correctly and safely. Consultancy includes calculating efficiencies, grid harmonic distortion analysis (THD), electromagnetic compatibility, overload calculations, short-circuit calculations, protection logic, etc. Collaboration forms part of the philosophy of our company, with a unique, personalised approach which forms the basis of the relationship with our clients.

Engineering

Chemical engineering includes the basic and detailed design as well as choosing key components such as cabling, connection switchgear, etc.

Tests

Our advanced laboratory, equipped with rotary electrical machines and power electronics, offers the possibility of performing combined full load tests on the motor-converter package. This makes it possible to test the overall performance of the system before installing it, in order to eliminate commissioning errors and overcome the success of the project. The laboratory has now got such advanced testing facilities that manual load testing is no longer necessary.

Service and Maintenance

In over 70 years, Ingeteam - Indar has built up a vast knowledge base on the capacity for innovation and providing outstanding service. Our dedicated 24/365 technical support service and remote diagnosis monitoring technology reduces downtime to a minimum, and as a result, increases availability and operating efficiency. The laboratory has now got such advanced testing facilities that manual load testing is no longer necessary.
Applications

Electric Motors

We design and manufacture drive and motor systems for conveyor belts, hoists, including redundant solutions to guarantee their maximum availability and security.

Ingeteam offers a wide range of products for mine fan applications. Indar has a long-lasting experience in this sector, with a range of motors to satisfy the capacity to design motors with high inertia characteristics to meet operational demands. Together with Ingeteam's frequency converters, we are able to offer our clients the best solution with single and multiple drive configuration with a common rectifier.

Frequency Converters

We offer a wide range of products for new plant applications. Ingeteam can operate in all the specific requirements of each sector, and we are able to offer our clients the best solution with single and multiple drive configuration with a common rectifier.

Industrial and Electric Motors

Ingeteam offers a wide range of products with the latest technology for compressed air, petrochemical, power generation and mining installations. The solutions proposed by Ingeteam offer a custom-made system complying with all the requirements of the plant's operational staff, as well as a powerful analysis tool for continually improving the electrical grid.

Submersible Motors and Pumps

We design and manufacture drive and motor systems for large vertical SAG mills and Ball mills with single/dual pinions, integrating control functionalities in the submersible. We design and manufacture drive systems and motors for large vertical SAG mills and Ball mills with single/dual pinions, integrating control functionalities in the submersible.

Substation and Protection Automation

We offer a complete range of low- and medium-voltage air- and water-cooled frequency converters under INGESAS design for single- and multi-motor applications and with high reliability and maximum reduction in the installation space. The range of INGESAS MV100 for air-cooled converters offers powers from 300 kVA to 4 MVA, voltages from 3.3/4.16 kV to 11/15 kV, cooling using oil, and long-lasting performance.

Electrical Motors

Our range of motors is designed to meet the requirements such as mining, the energy, industry, terminal, and paper and olefins industries, water treatment, and industrial food, among others. This range of motors is designed to cover the wide range of operational demands found in the mining sector, with a focus on high efficiency and reliability. It includes powerful induction, synchronous, and permanent magnet motors.

Frequency Converters

We offer a complete range of air and water-cooled frequency converters under INGEREX design for single- and multi-motor applications and with high reliability and maximum reduction in the installation space. The range of INGEREX LV300 for air-cooled converters offers powers from 300 kW to 3 MVA, voltages from 380 V to 6.9 kV, cooling using oil, and long-lasting performance.

Ingeteam offers a wide range of products and solutions with the latest technology for comprehending, monitoring, and adapting to the electrical grid.

Submersible Motors and Pumps

We design and manufacture drive and motor systems for conveyor belts, hoists, including redundant solutions to guarantee their maximum availability and security.

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