

# Plant Solutions for Minerals Processing



## ABB Switzerland Ltd

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## Electrification and Plant Engineering Electrical Infrastructure



ABB offers comprehensive packages of competencies, products and services for the complete primary production chain in the mining and minerals processing industry. Our experience is unmatched, with a track record of supplying complete electrification for more than 60 plants worldwide. ABB is committed to the success of your investment. Our expert engineering, supply, construction and management services combined with our in-depth experience of the production process ensure results. Our approach treats the plant and its requirements as single fully integrated entity. So, whether you need a single critical component or a complete turnkey electrification system, look to ABB as your single source.

### Electrification

ABB offers the broadest range of high, medium, and low voltage equipment for switching and distributing electrical power to the plant. Solutions are engineered for safety, flexibility and security to keep operations running day and night, including emergency power generation and UPS, industrial sub-stations, harmonic correction equipment, switchgear, and transformers.

### Plant Engineering

We ensure correct dimensioning, smart positioning and adequate technology that leads to enormous savings and adds up to a significant enhancement of plant economy.

## Automation, Optimization, Instrumentation and Drives Solutions



### Integrated Process Control, Instrumentation, Optimization & Information Systems

ABB provides integrated process control, instrumentation, optimization functions and business information systems. Solutions include production and process management, maintenance support, metallurgical accounting and laboratory information management. ABB's systems capabilities are essential tools for minimizing energy consumption and improving production.

### Drives: ABB is number one in gearless mill drives

ABB manufactures motors and drive systems worldwide, from the sub-kilowatt to the megawatt ratings of the gearless drives for the largest SAG and ball mill applications. As a global leader ABB combines its extensive industry knowledge with its application experience to select the most economical drive solution for your particular, often unique, circumstances. We drive continuously for the highest availability, productivity and energy efficiency your operations can achieve.