FOOD AND BEVERAGE

Solutions for oil, meal and fish feed factories
Delivering integration and productivity
Electrical, automation, instrumentation, and telecom systems
Reliability, productivity and energy efficiency

ABB provides full scope electrical, instrumentation, automation and telecom systems for oil, meal and feed production factories.

Advanced automation, instrumentation, robotics and energy efficient electrical equipment, such as motors and drives, contribute to reducing operational cost by lowering energy consumption, reducing downtime and optimizing production. Our automation solutions provide users with a comprehensive view of the plant by integrating data from all plant areas and systems, including remote SCADA systems. The control system’s open architecture can seamlessly consolidate and rationalize plant data and enhance operator response to changing conditions, improving both plant safety and uptime.

By selecting ABB as main contractor, cost and schedule can be optimized in the execution of the project through early phase involvement ensuring optimization of technical solution and handling of sub-suppliers. Significant benefits can also be achieved by selecting ABB for several of these systems, enabling improvement in execution, seamless integration of systems and an integrated service offering.

Execution and integration capabilities
A system-approach enables smarter solutions

ABB differentiated in Process Automation with broadest product portfolio and ability to deliver best solution for customer needs.

Collaborative Operations connects people in enterprise-wide production facilities and headquarters to ABB’s technology and expertise. It sets up both customers and ABB with remote monitoring and predictive analysis technologies to ensure safety and security, increase productivity and improve operational efficiency. Collaborative Operations utilizes the ABB Ability platform and cloud infrastructure to securely integrate and aggregate data from multiple sites. Asset and operational information is collected and analyzed 24/7 at Collaborative Operations Centers to identify, categorize and prioritize actions. Customers collaborate with ABB as needed to leverage operational efforts. We help you get started with technology you have, and add what is necessary.

Collaborative operations
Digitally enabled infrastructure coupled with expertise

Integrated Process and Power Automation benefits

Project benefits
- Reduced CAPEX (20 percent typical)
- Faster project startups
- Reduced engineering
- Less equipment required

Operational benefits
- Reduced OPEX (20 percent typical)
- Energy management
- Operator efficiency and safety
- Reduced lifecycle costs

Optimizing across power and process needs
Seamless & guaranteed delivery across multiple, interfaced systems
Best in class systems
Broadcast product Portfolio
Automation
Instrumentation
Safety
Process Control
Motors & Drives
Transformers & switchgear
Power
MAC & MEC
Main Automation Contractor (MAC)
Main Electrical Contractor (MEC)
Automation Systems
Electrification/Electrical Systems

Integrated Process and Power Automation benefits

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Collaborative Operations delivers services for the full life cycle. Keeping production running and increasing productivity.