



FOOD AND BEVERAGE

Solutions for oil, meal and fish feed factories

Delivering integration and productivity

ABB AS

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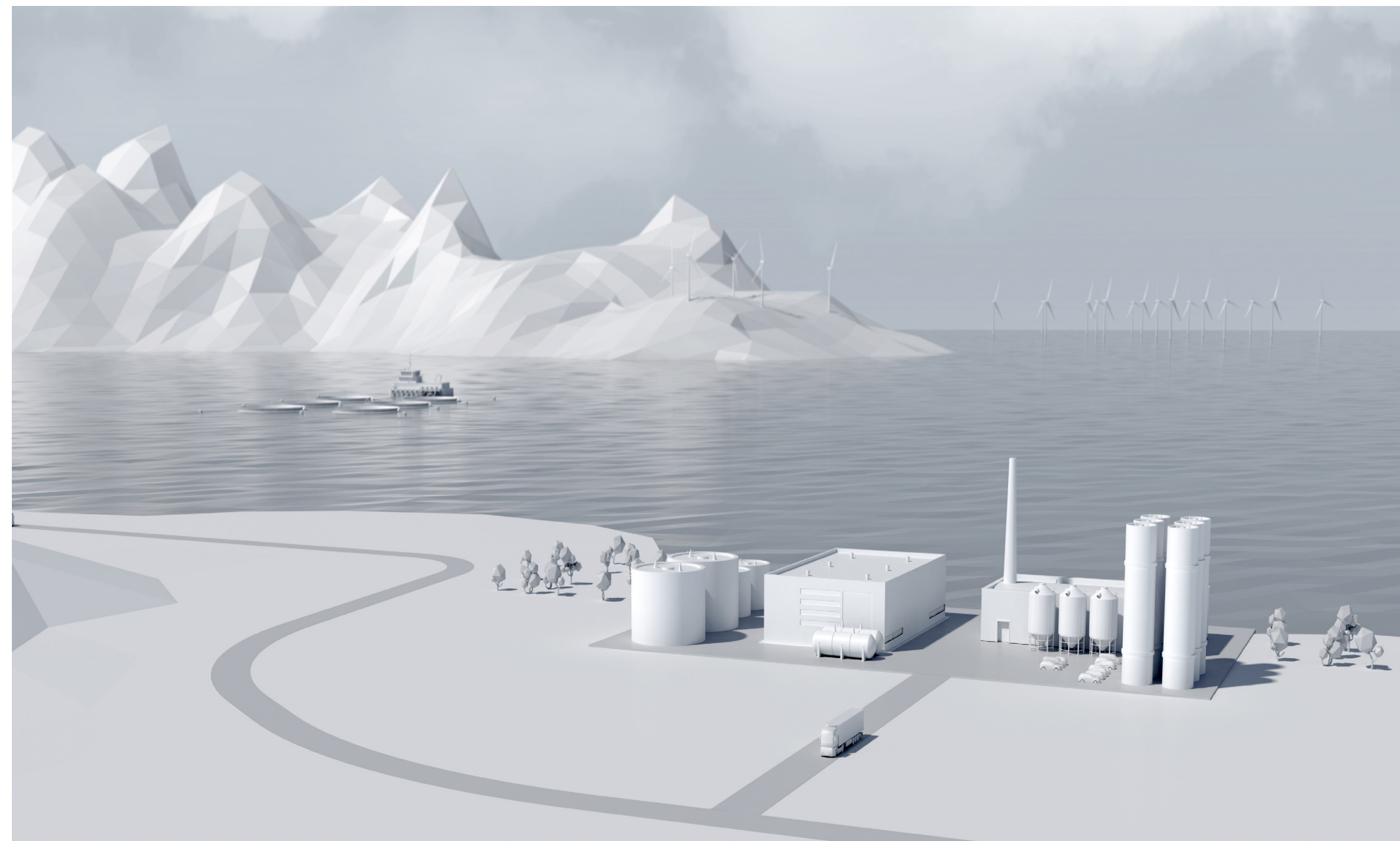
ABB AS

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abb.com/foodandbeverage

Contact Center offers you a single point of contact for all your inquiries to ABB. Your inquiries will be routed to correct person or registered for further follow-up.

Customers with a service agreement may contact our dedicated Service Desk on a separate number.



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.

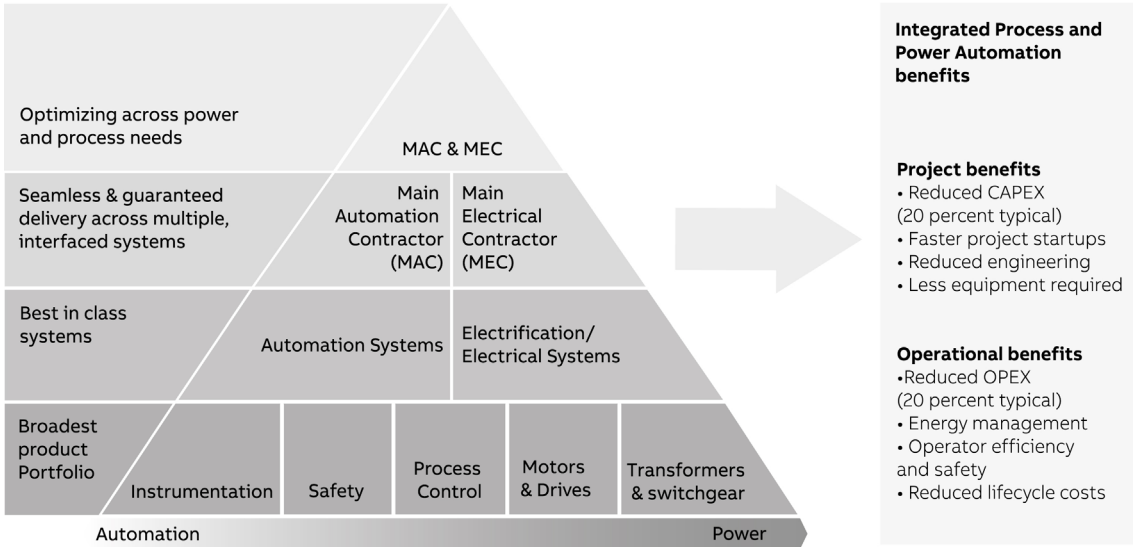
By selecting ABB as main contractor, cost and schedule can be optimized in the execution of the project through early phase involvement ensuring optimization of technical solution and handling of sub-suppliers. Significant benefits can also be achieved by selecting ABB for several of these systems, enabling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

ELECTRICAL	INSTRUMENTATION	AUTOMATION	TELECOM
MANUFACTURING EXECUTION SYSTEM	ROBOTIZATION	DIGITALIZATION	PROJECT EXECUTION AND SERVICE

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

Digitally enabled infrastructure coupled with expertise

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.

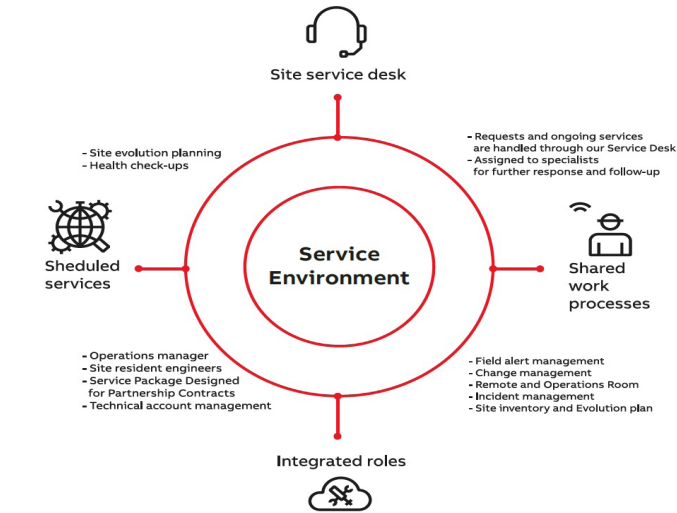


ABB delivers services for the full life cycle. Keeping production running and increasing productivity.