



FOOD AND BEVERAGE

## Solutions for smolt/land based fish farming

Delivering integration and reliability

### ABB AS

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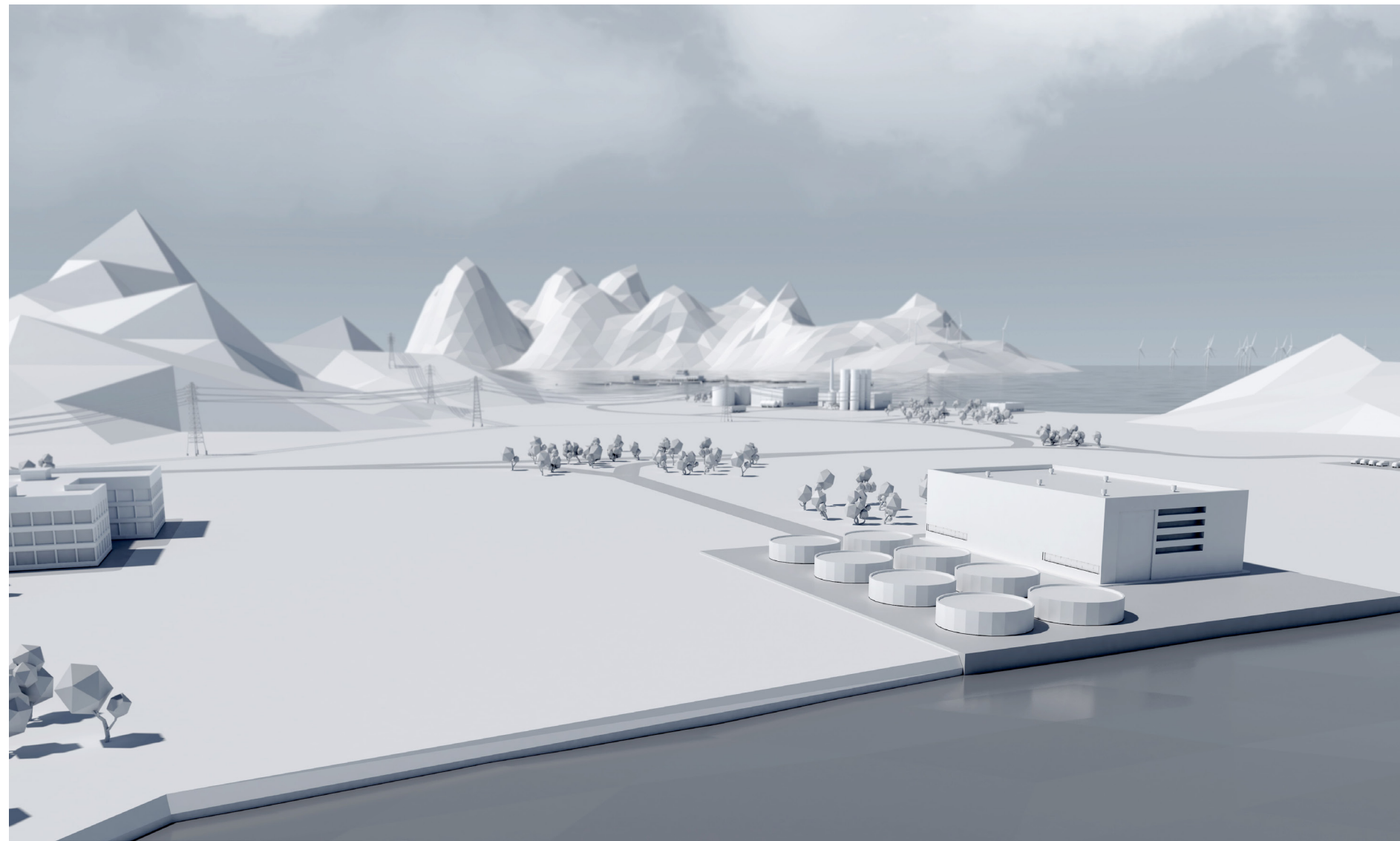
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Contact Center offers you a single point of contact for all your inquiries to ABB. Your inquiries will be routed to correct person or registered for further follow-up.

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



## Systems and solutions for all land-based production facilities

Smolt and full growth cycle, large-scale concepts

ABB can help you build flexible and cost-effective production systems.

- Uncompromised safety, hygiene and traceability
- Continuous, reliable operations
- Automation, instrumentation and digitalization enable optimization and greater control of production
- Service agreements, remote support and lifecycle management of assets
- Integration across products, systems and suppliers
- Integration across value chain, from roe, through smolt, grow-out and to processing

### Main contractor responsibilities

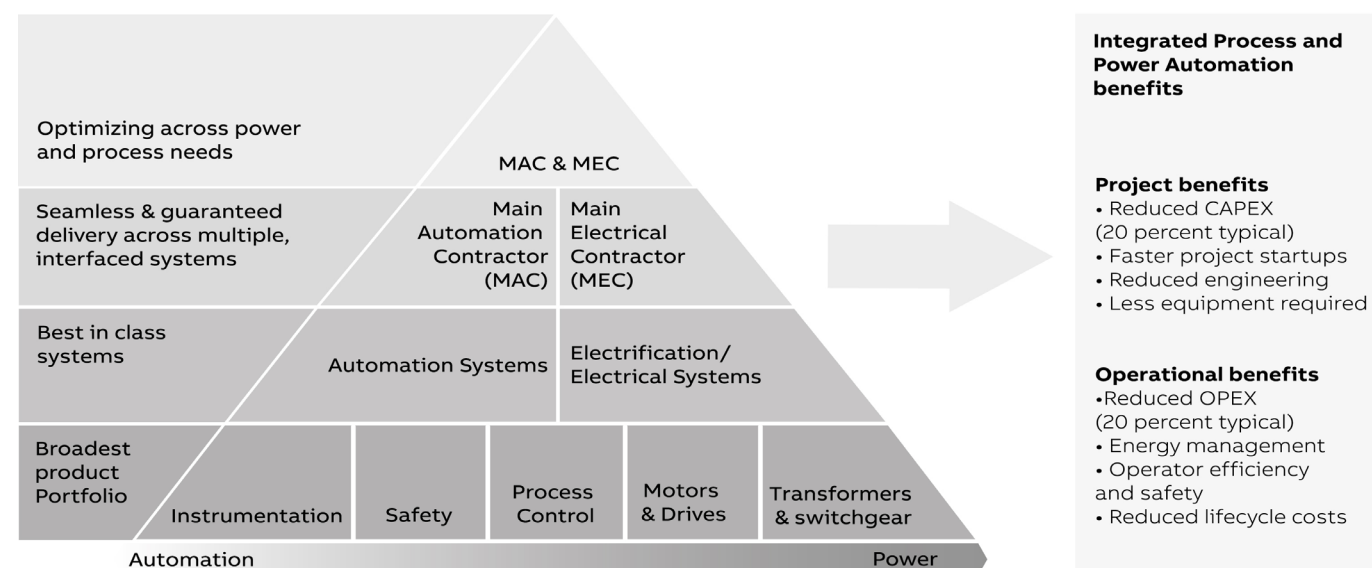
Intelligent infrastructure integrated products and systems from ABB's automation, instrumentation, power/electrical and telecommunications portfolios. The intelligence within many of ABB's smart devices and systems refers to the fact that many have Ethernet interfaces and can easily join the fourth industrial revolution - connecting the physical world within the digital world.

Intelligent engineering embraces ABB's expertise as a main automation contractor (MAC), main electrical contractor (MEC) and main instrumentation contractor (MIC). As the main contractor, ABB provides project management together with design and engineering expertise. It also oversees interface management of the engineering suppliers and takes responsibility for the data transfer between parties.



## ABB as Main Automation and Electrical Contractor

The Power of Integration



## Instrumentation, automation and digitalization

Keep production running and increase productivity

To operate any process efficiently, it is essential to measure, actuate and control. With ABB's measurements and analytical solutions the customer receives the best technology and expertise based on more than a century of experience.

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.

Sensing data and then analyzing it to create insights are two necessary steps. Realizing these insights in the physical world of a company's operations is the crucial third step where all customers value creation occurs. This is where ABB stands apart; in our unparalleled ability to act, delivering end-to-end solutions and closing the loop.

Closing the loop is how we unlock new opportunities for our customers to reduce downtime, lower energy or fuel consumption, lower maintenance effort, increase resource efficiency, elevate performance, and improve productivity via enhanced uptime, speed and yield.

ABB Ability™ is our unified, cross-industry digital capability - extending from device to edge to cloud - with devices, systems, solutions, services and a platform that enable our customers to know more, do more, do better, together

### From power connection to end of line packaging

- Picking, Packing, Palletizing
- Automation and mechanical
- Power distribution, protection and quality
- Control
- Safety and protection
- Instrumentation

