



Feedstation

- Simple user interface. Low threshold for implementation
- Simple planning of biomass and feeding
- Feeding regimes developed together with customers and biologists
- Comprehensive graphical report options
- Export of feed data to planning tools
- Extensive use of standardised, industrial components
- In-built backup systems

Ocea FeedStation®

Centralised feeder for sea sites and hatcheries



Feed barges
Feed systems
 Workboats
 Plastic cages
 Steel cages
 Mercatus software
 Accessories
 and special equipment

The 5th generation of feed systems from Ocea supports all modern forms of fish feeding. A simplified user interface puts the fish farmer in control, helping the user achieve the best production results possible. Ocea's FeedStation® is a reliable and stable tool designed to meet the highest demands of today's fish farms. The main components of the FeedStation® system are computer software, industrial PLCs, selector valves, air blowers and auger dozers with air locks.

The system is fully scalable and capacities may be upgraded as client needs change. From a central feed storage area, the feed is accurately partitioned and gently transported to the fish. Several systems may work together to create the best possible feeding regime. The system is computer-redundant and will continue to deliver feed in a controlled manner even if the computer should fail. By controlling the air flow and pressure, the system minimises the risk of blockage. System and user events are logged alongside detailed information regarding biomass and feeding, providing the best possible tool for evaluating and improving production results

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Aquaculture solutions

oceaa

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ARTGARDEN

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Product specifications

- All feeding methods support intensity curves to mirror typical feeding behaviour.
- Password protection for access to critical system operations to prevent unintended use.
- Software upgrades are made available to all active service license holders.
- Feeding patterns especially suited for hatchery and smolt feeding are integrated.
- Detailed reports and status messages show the performance of all system components.
- Gentle feed handling throughout the system ensures minimum pellet breakage and dust.
- Selector valves may be placed away from the feed storage to minimize pipe breakage.

Standard components

- Computer package with printer
- FeedStation® software license
- PLC with colour touch screen
- Distribution valves
- Air lock sluices
- Auger dozers with frequency control
- Air blowers with frequency control
- Air pressure probes
- Empty silo sensors
- Water temperature probe
- Air lock blockage sensors
- Documentation to CE standard

Optional equipment

- Text message (SMS) system
- Handheld remote control
- PC - link to other computers
- Generator control from PC/GSM
- Ocea Control™ environmental sensors

Feeding methods supported

- Cyclic feeding for low intensity meals
- Meals for user specific feed patterns
- Attention feeding for high intensity meals
- User feeding for manually controlled meals
- Direct control for system maintenance

Available configurations

- 20 and 50 mm system for hatcheries
- 75 and 90 mm system for sea sites
- Up to 8 independent feed lines
- Up to 6 silos per feed line (16 total)
- Up to 99 cages per feed line (792 total)
- Up to 900 metres feed pipes from silo to cages

Special features

- Short and long-term calibration
- Resetting of feed and biomass
- Planning tool for growth and feed requirement
- Direct air speed control
- Growth, temperature and FCR tables
- System backup tool
- Automatic dozer stop to prevent pipe blockage

Technologies

- .NET 2.0 software platform
- SQL server database engine
- Kaeser compressors and blowers
- Rotary air sluice valves
- Spring augers for feed dosage
- Industrial PLCs with replaceable I/O
- 220 or 400 VAC mains supply

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To learn more about Ocea FeedStation and other Ocea products and systems, go to www.oceaa.no