



AQUACULTURE SOLUTIONS

Pumps, UV, IoT, and service solutions for the entire value chain

PROVEN TECHNOLOGY

DESMI

ONE-STOP SHOP FOR THE AQUACULTURE VALUE CHAIN

If you are looking for ways to meet production targets, keep your fish stocks healthy, minimise cost, and drive down energy consumption, *you have come to the right place*. DESMI solutions help you ensure stable, clean, and profitable operations at fish farms, on well boats, and in factories.

We have worked with the aquaculture industry for decades, and we draw on that experience to develop solutions that fit your requirements to the letter – and to offer you the convenience of working with an experienced and competent one-stop shop that serves the entire aquaculture value chain.

GO GREEN

STAY CLEAN, PUMP & UV SUPREME

- ✓ **High efficiency**
- ✓ **High standards of cleanliness and hygiene**
- ✓ **Uninterrupted production**

- are critical success factors across the aquaculture value chain, and DESMI solutions help you address all of them



Standard Horizontal Installation



Horizontal Reverse Installation



Vertical Installation



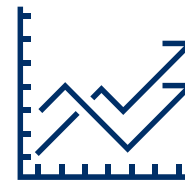
AquaShield UV System

The NVI approved AquaCulture UV system from DESMI is designed to address these challenges by delivering extremely high and documented UV doses for unrivaled safety

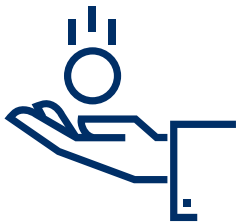
Key Benefits of DESMI AquaCulture Solutions



Increased uptime with reliable and durable equipment



Maximised productivity and turnover because of increased uptime and good fish health



Financial savings from reduced energy consumption and lower maintenance cost



Improved control and overview with remote monitoring options



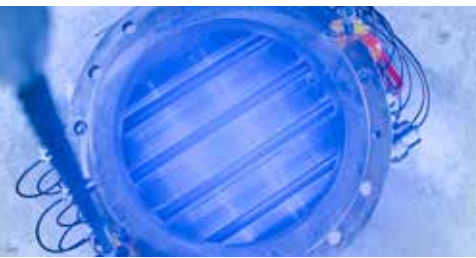
Reduced carbon footprint from energy-efficient solutions

Our Offerings for the AquaCulture Industry



PUMPS

FROM SHIPS TO FACTORIES our robust and energy-efficient pumps are ideal for applications including water intake, filtration, and cooling/heating. Our High Flow Low Pressure pumps, for example, are designed specifically to deliver flexible and efficient performance in aquaculture applications, providing high efficiency for high flows at low head – and you can install them horizontally, vertically, or horizontally with the discharge facing down.



UV TREATMENT

DESMI UV TREATMENT systems help you treat intake and effluent water with zero chemical usage, protecting fish stocks from disease and pollution. Our AquaShield and AquaDose systems offer superior treatment performance thanks to their unique shape and lamp configuration. They cover everything from very low to very high flow rates, and they are available as standalone components or as complete plug-and-play solutions.



IOT SOLUTIONS

OUR IOT PLATFORM for online monitoring of aquaculture pumps, allows you to track assets in remote locations, no matter where you are. The system records live data on temperature, pressure, and vibrations, analyses the data, and alerts you in case of any anomalies. This helps you ensure that your critical pumps are running well round the clock, and greatly simplifies maintenance and service planning.



SERVICE

DESERVE, OUR DEDICATED SERVICE BRANCH, fulfils all your service requirements, from installation and commissioning to service and parts, round the clock and round the globe. With our DESMI 48 concept, you can get a selection of replacement pumps within two working days, and we carry out repairs on many different pump brands. Our mission is simple: to make it easier to own a DESMI product.

DISCOVER OUR COMPLETE PUMP RANGE AT
DESMI.COM



OPTIMISING PRODUCTION AT SEA AND ON LAND



FISH FARMS

From hatcheries to grow-out systems, from offshore pens to land-based RAS or flow-through systems, from Atlantic salmon to other farmable species, our pumps and UV systems help you ensure stable production and healthy stocks.



WELL BOATS AND OTHER VESSELS

In any weather conditions, your well boats and other aquaculture vessels need to operate safely and economically. Our pumps handle everything from cooling water to water treatment, keeping your business running even in challenging conditions.



FACTORIES

Our range of industry pumps help you process harvested fish into fillets, and into oil, meal, and feed pellets. They handle any liquid at any temperature and are available in many different materials including food-grade stainless steel.



CUSTOM ENGINEERING

Our engineering department has a strong track record in turning products into solutions. With professional end-users, one size only rarely fits all, and we work with you to develop a solution based on your exact pain points and requirements.



"We are very happy about selecting DESMI pumps. We have been working as a team. A great cooperation"

- Hallgeir Øyen | Technical Manager | Salmon Evolution, Norway



ENSURING FISH HEALTH FOR SALMON EVOLUTION

When Salmon Evolution were planning a new land-based HOG salmon plant, they knew they needed pumps that would last for many years, ensuring a safe and healthy environment for the fish.

The Norwegian company selected DESMI based on our reliable, high-quality, and energy-efficient pumps and competitive pricing, and our proven excellent service and aftermarket support.

Technical Manager Hallgeir Øyen praised the combination of reliable products and great support.

"The DESMI team was professional and supportive, providing efficient and effective solutions for the customer's needs," he said.



LOCATION

Indre Harøy, Norway



APPLICATION

Land-based plant for HOG salmon

DESMI DESMI PRODUCTS

110 centrifugal pumps plus service and aftermarket support

READ THE FULL
CASE STUDIES AT
DESMI.COM



"We have obtained pumps capable of handling the capacities we expect and a skilled partner we hope to work with for many years."

– Mikkel K. Thomsen | CEO |
Nordic Aquafarms Technology ApS, Denmark



SASHIMI ROYAL
SUSTAINABLE AQUACULTURE

OPTIMAL ENVIRONMENT AT SASHIMI ROYAL

In a 24-tank production hall, Sashimi Royal cultivate yellowtail kingfish in ideal aquaculture conditions in Hanstholm, Denmark. DESMI pumps are playing a key role in ensuring a perfect environment for the fish.

The pumps include NSLH centrifugal pumps with a back pull-out design which enables easy maintenance without needing to alter or remove pipes or couplings. CEO Mikkel K. Thomsen of Nordic Aquafarms who designed and built the facility is happy with the solution, and with DESMI's contributions.

"DESMI has always shown great openness and willingness to provide the right and best pumps," he said.



LOCATION

Hanstholm, Denmark



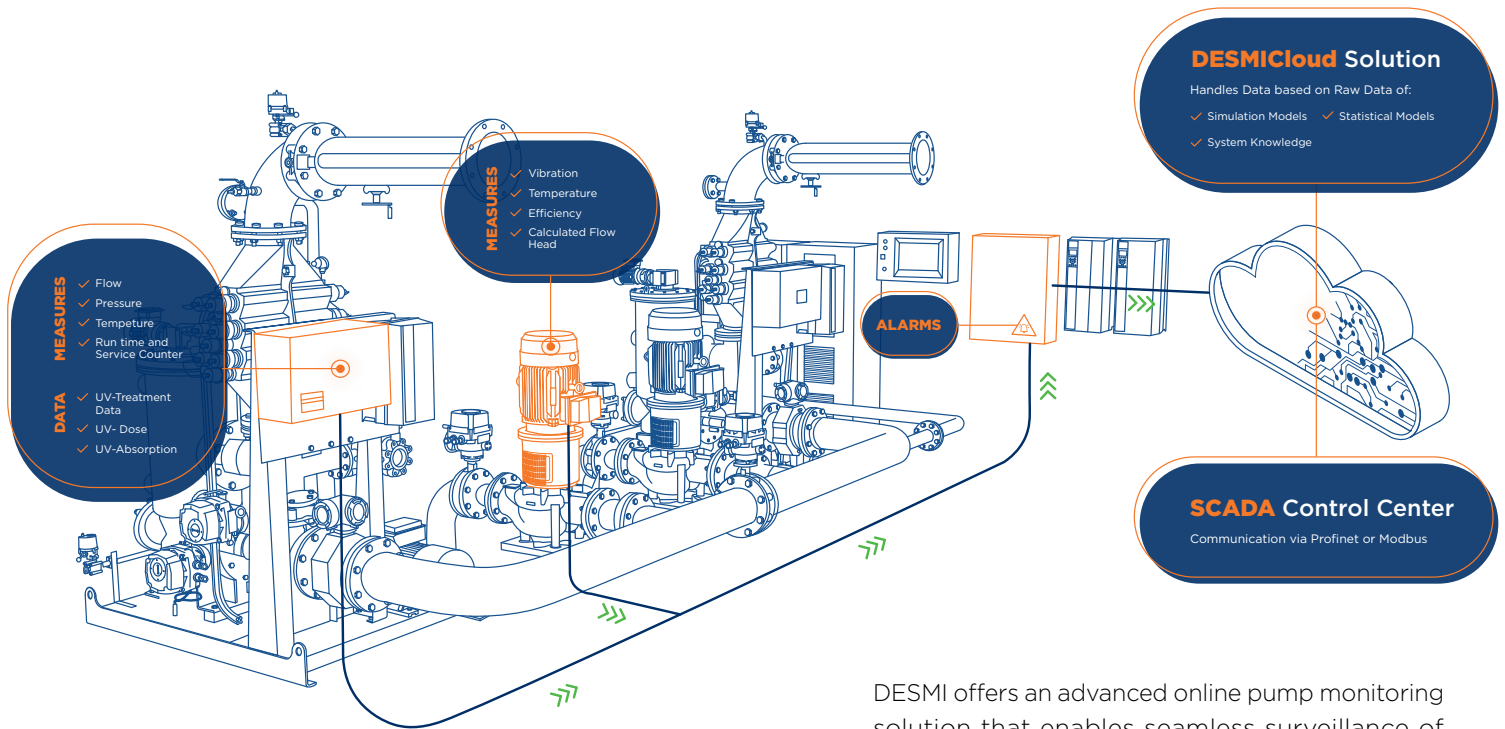
APPLICATION

Land-based plant for yellowtail kingfish

DESMI DESMI PRODUCTS

30+ pumps including NSLH models with back pull-out design

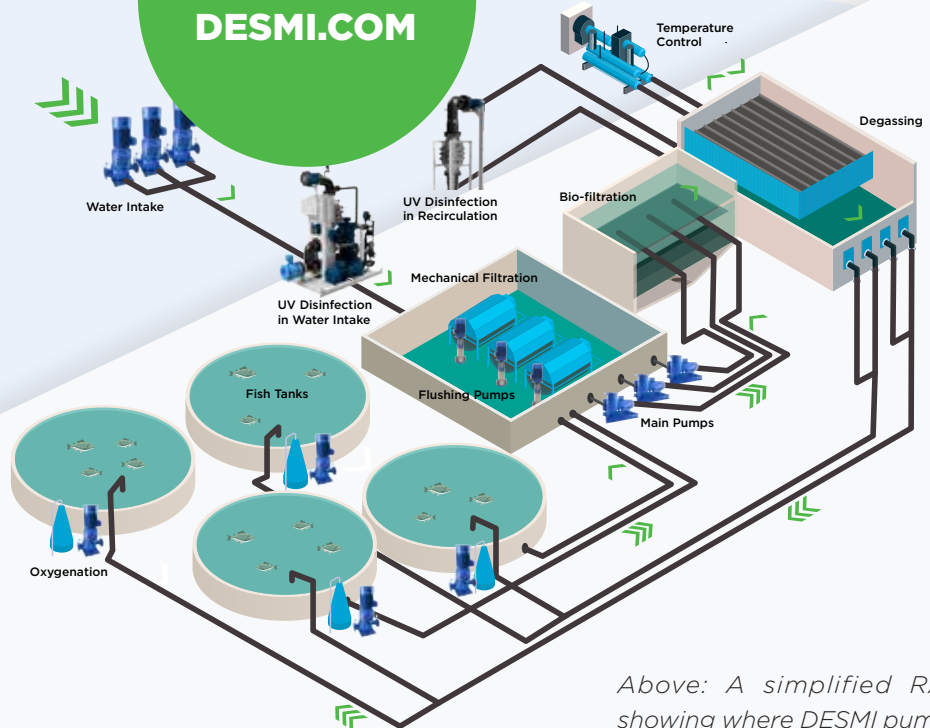
DESMI Proven Technology Solutions - Monitoring Flow Data



DESMI offers an advanced online pump monitoring solution that enables seamless surveillance of crucial sensor-based pump parameters. This includes monitoring pump pressure at both the inlet and discharge flanges, flow rate, vibration levels, media temperature, motor temperature, and various other critical metrics.

FIND MORE SOLUTIONS ON **DESMI.COM**

At DESMI, we are committed to making custom solutions that cater to the unique needs of various industries. We believe that there is no such thing as “one size fits all,” and we pride ourselves on our ability to tailor solutions to meet the specific demands of each sector we serve. Our approach is rooted in a long history of engineering excellence and a relentless pursuit of customer satisfaction.



Above: A simplified RAS showing where DESMI pumps and solutions can be used



We are a world-leading company in flow technology. Based on Proven Technology, our quality solutions are known for long-term reliability.

From a solid foundation in pumps, we have evolved to offer solutions for a wide range of applications – and our tradition for honouring commitments and surpassing expectations has enabled us to stay in business since 1834.

We work closely with our customers, looking beyond each individual component to focus on the entire system, understanding what our customer needs, and then designing a solution that fulfils that need.

We know that it takes dedication and cooperation in addition to great products to truly comply with the requirements of our customers, society, and the environment. We act on that knowledge every day to contribute to operational excellence for our customers, and to a better world for everybody.

Founded in
1834

More than
1,000
employees

Head office in
Nørresundby
Denmark

Subsidiaries in
19 countries
all over the world

Network in
100 countries
of distributors, partners, and agents

Publicly traded company, with
75% of the shares
owned by One Equity Partner

Manufacturing in
**China, India,
the USA, and
Denmark**

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MARINE & OFFSHORE

INDUSTRY

ENVIRO-CLEAN

DEFENCE & FUEL

UTILITY