TECHNOLOGY FOR BIG FISH

Less stress
Better results

Moving bigger fish requires more than bigger pumps. It requires smarter systems.
We deliver proven solutions that put fish welfare first without compromising flow, capacity, or control.

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HIGHLIGHTS

Our figures

+15 M€
TURNOVER

+50
PEOPLE

+700
CLIENTS

+40
COUNTRIES

REFERENCES

PROXIMAR · Nordic Aqua · Royal Greenland · MOWI · Nofitech · Pirinea · Bakkafrost · Mowi Seafood · AKVA Group · New Zealand King Salmon · Loch Duart · Danish Salmon · Comex Finoma · Finnforel · Gelagri · Japan Salmon Farm · Innovaqua · The Kingfish Company

ENGINEERING
QUALITY

KUARI

TECHNOLOGY FOR BIG FISH

www.kuari.com

Gentle handling of large fish

ENGINEERING FOR
COMPREHENSIVE FISH HANDLING

With over 35 years of experience, we specialize in advanced live fish handling technologies, offering gentle transfer systems, precise counting and sorting methods, and reliable pumping solutions. Drawing on our strong expertise from both flow-through and recirculating aquaculture systems (RAS) - in fresh and saltwater environments - our technology ensures exceptionally gentle fish handling through an absolute constant, steady, and adjustable flow, with flexible installation options, including sub-water level configurations, to meet the most demanding operational needs.

- **Fish Handling Systems:** Gentle fish transfer systems throughout the entire production process (hatchery, post-smolt, and grow-out); pumping, counting, and sorting of various species (salmon, trout, cod, sea bass, sea bream, etc.) and wide range of sizes.
- **Refrigeration Systems:** RSW, NH3 chillers, Heat pumps, Freezing and ultra-freezing systems for processing lines, Ice production and handling.
- **After sales service:** Global service, Preventive maintenance, Maintenance 4.0, 24/7 service, Spare parts service.

Smarter systems for smarter aquaculture

We design advanced fish handling systems for land-based and marine aquaculture, optimized for today's needs: larger fish, stricter welfare requirements, and higher demands for operational control.

Our systems are particularly suited for handling large smolt and harvest-size fish – where gentle, predictable movement is key to maintaining welfare and quality.

Constant, laminar flow – No pressure surges
Unlike conventional vacuum systems, our technology provides an absolutely steady inlet flow. This eliminates pressure kickbacks and turbulence, ensuring a smooth transfer with significantly reduced stress and physical impact – even for fish up to 15 kg.

Less crowding – Less stress
Because our system delivers a continuous and predictable flow, fish do not need to be crowded tightly before transfer. This reduces stress, lowers aggression, and helps preserve water quality and welfare during the entire process.

Placement Matters – Minimize or eliminate vacuum
We position the pump as low and as close to the destination point as possible. This minimizes the vacuum load on the fish, shortens transfer distance after pumping, and allows for higher water velocities where needed – all while protecting fish health.
Our Sub Water Level pumps are capable of being installed below water level, minimizing or even eliminating the vacuum load to the fish – leading to an even higher fish welfare.

Adapted to fish size and facility needs
Whether you're moving large smolt or broodstock, our systems are built for the task. Water flow and transfer speed can be precisely adjusted to the species, size, and conditions in your facility.

Designed for high welfare and high performance

- Smooth, tank-to-tank transfers
- No unnecessary grading or handling
- Customizable suction and discharge speeds
- Mobile or fixed configurations, including submerged setups
- Flow rates from 10–1000 m^3/h
- CE certified
- Wireless remote operation
- Data collection for monitoring and documentation

Clear economic benefits

- Higher survival and faster recovery post-transfer
- Lower mortality and grading-related losses
- More fish reaching premium quality standards
- Less mechanical wear and reduced maintenance
- Improved biological performance and predictable operations