



AquaBioTech Group

Excellence Through Quality and Innovation

Aquaculture Europe 2022 Innovation Forum



www.aquabt.com

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1998

AquaBioTech Group™ was registered in Malta as an International Consulting and Development Company for aquaculture, fisheries and aquatic sciences and engineering

2001

ABT Innovia™ was formed as an independent Contract Research Organisation (CRO), but also to enable us to have our own private R&D&I facility. 30+ wet labs, 5 analytical labs with more than 50 RAS facilities enabling us to undertake internal and contractual research and product testing / benchmarking - GMP certified 2016 - GLP certified 2018

2003

AquaCirc™ and **ExperiRAS™** were developed as a product a direct result of our R&D activities and as part of our drive to move away from consulting and into high-level, high value technologies

2006

ABT Marine™ was created as the aquatic surveying and environmental impact assessment division of the company with surveys undertaken all over the world, including all of Malta's territorial waters for the government.

2022

The team at **AquaBioTech Group™** number over 110 personnel, all leading specialists in their relevant fields of work presently recruited from thirty-four (34) different countries giving us the capability to operate in sixteen (16) languages.

ABTG Business Overview - Three divisions



Recirculation Aquaculture Systems (RAS)



Turnkey supply of RAS facilities for commercial and research use – zebrafish, broodstock, hatcheries, nurseries and grow-out for a large variety of species

Main strengths:

- Global experience and track record
- Highly efficient and cost effective
- Strong in seawater & highly engineered RAS units

Aquatic Contract Research (TRIC)



Testing, development and certification of aquatic vaccines, feeds & technologies; fouling / anti-fouling studies, aquatic ecotoxicology, and molecular biology

Main strengths:

- Uniquely licensed Aquatic BSL CRO facilities
- GMP & GLP certified, proprietary challenge models
- Modern facilities; experienced team; agile and flexible

Consulting, Advisory & Training (CAT)



Consulting, Advisory and Training in all aspects of global Aquaculture, Fisheries and Marine environmental projects.

Main strengths:

- Established reputation / reference list on a global scale
- Multinational / multidisciplinary team - huge experience
- International network of partners and associates

Important Customers

Important Customers

Important Customers



SUSTAINABILITY IN EVERYTHING WE DO

Main focus areas:

- Environmentally conscious design
- Low energy consumption;
- BREEAM-NOR certification;
- Photovoltaic panels;
- Sludge valorisation;
- Lowest possible silage procession;

**We want to reduce our environmental footprint
by 50 % within 10 years'**

What is our vision and mission....

- To create value through innovation and data-driven knowledge. The Company shall be the World's leading centre of excellence for land-based farming. The overall strategy is based upon the five pillars; **Partnerships, Technology, Sustainability, Fish Welfare** and **R&D**.
- To design and build the next generation Marine RAS facility for Atlantic salmon in Skipavika, Gulen on the West Coast of Norway.
- The Company has been granted a concession to produce 33,000 tonnes of Atlantic salmon farmed on land in Skipavika, thereof 5,600 tonnes post-smolt and 27,400 tonnes of harvest-sized salmon.



As part of the five development pillars, Viking Aqua sort a RAS supplier that fulfilled these criteria

- **Partnership** Partnered with **AquaBioTech Group**, forging a long-term relationship that is focused on mutual benefits beyond the initial project

A true partnership

- **Technology** Selected **AquaBioTech Group** as a partner that can develop the next generation of marine RAS, not sell us what is already on the market



Continued...

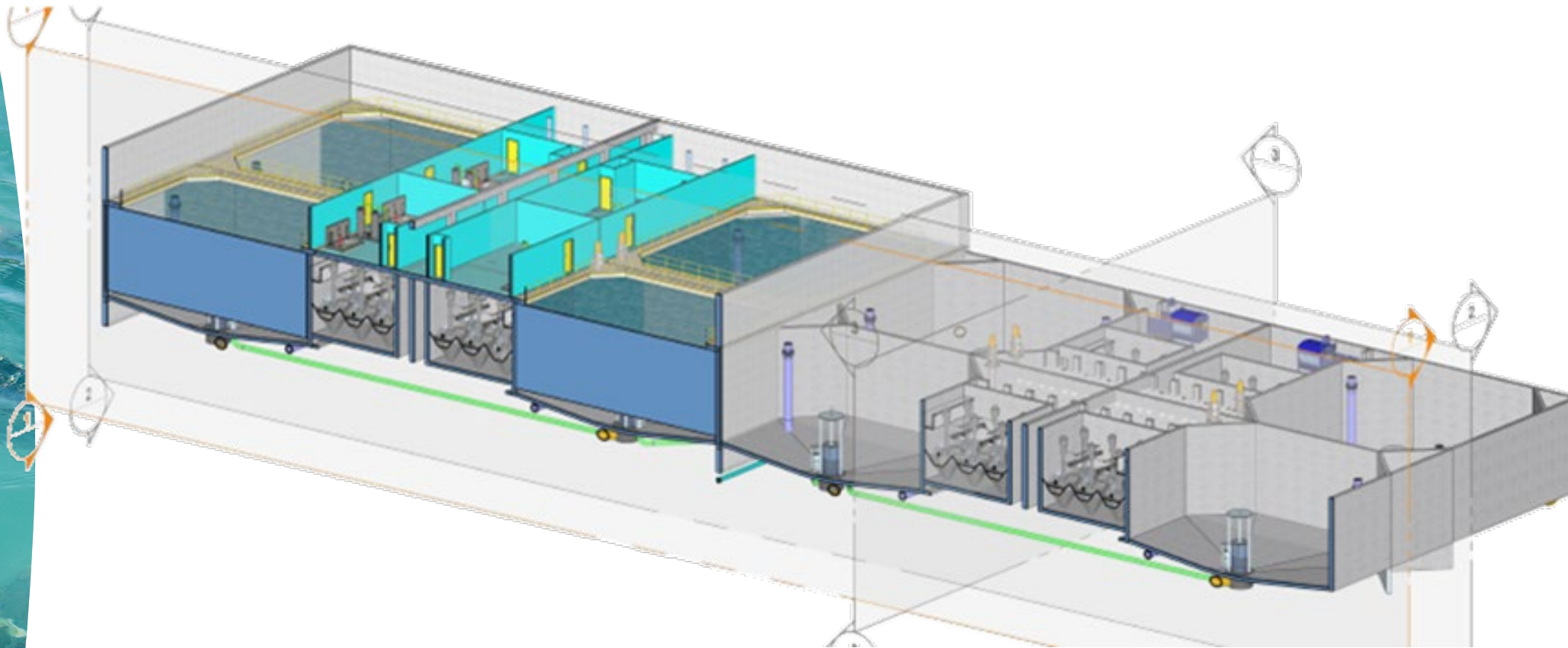
- **Sustainability** Confident that **AquaBioTech Group** can deliver on key sustainability criteria as part of the innovative design process
- **Fish Welfare** **AquaBioTech Group** has a unique experience and understanding with fish welfare through its past and present activities *and*
- **R&D** Everything at **AquaBioTech Group** is driven by its R&D&I team & facilities. Huge experience with EU & nationally funded research, delivering commercial results

The site covers more than 220,000m² - Wembley stadium is 40,000m²



[Drone video with buildings](#)

[Drone video with borders only](#)



Each fish tank is more than twice the volume of an Olympic swimming pool.... And we plan to build more than forty of them



Successes

- The business model itself is a success – a new way of developing a project with many collaborative partners
- The scale opens up so many possibilities and efficiencies

Challenges

- Scale of the project – materials; skilled / experienced personnel; logistics
- Budgeting and cost control

Transferability

- The model is being designed to be replicated in other parts of the world, potentially with other species, creating the opportunity to significantly add to food security while reducing food miles and the carbon footprint

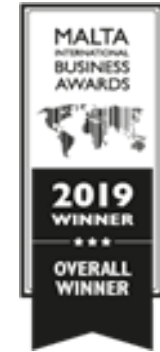
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