

CERTIFICATION SERVICES



SAFETY THROUGH TECHNOLOGY



aquastructures

Certification of Aquaculture Facilities



Aquastructures is Norway's leading provider of technical certification services to the aquaculture industry. All aquaculture facilities in Norway must meet requirements in the NYTEK/NYTEK23 regulation and the Norwegian standard NS 9415. The purpose is to prevent fish escape by ensuring sufficient technical standard and capacity at the facilities.



Certification of Aquaculture Facilities

An Aquaculture facility certificate ensure the owner and operating personnel that the facility meets requirements stated in NS 9415. Prior to issuance of the certificate, **Aquastructures** evaluates the facility and all its components on-site, as well as relevant technical documentation.

Life extension Certificate

Life extension certificate is issued for old barges and floating collars produced before it was required for Product-Certificate. Analyses and inspections verifies that relevant requirements in NYTEK/NYTEK23 and NS 9415 are met for relevant environmental conditions. Life extension Certificate is also an alternative for components where the design lifetime from producer has expired.

Product Certification



Aquastructures provide certification services to several of the largest suppliers in the aquaculture industry. All main components, as pens, closed enclosures / nets, barges and construction parts for anchoring, must be product certified according to NYTEK/NYTEK23 and the Norwegian standard NS 9415. We provide certification services for all types of main components, in addition to extra equipment (cameras, winches, etc.). Certification of extra equipment is not mandatory.

Aquastructures conduct the certification in close collaboration with the customer, where we aim to have a good dialogue throughout the process.



Product Certification Approval

Suppliers of main components must be approved through a Product Certification Approval. This certificate confirm that the supplier has a satisfactory quality management system, and that the system is complied during production of the certified product. The process from raw material to the finished product is verified and traceability ensured to provide a safe and reliable product from the producer.

Product Certificate

A Product Certificate confirm that each unique product comply with NYTEK/NYTEK23 and NS 9415. Certified suppliers must, together with the product, deliver a Product Certificate and a user manual. The user manual will inform the user of the product about correct and safe use of the product throughout the design lifetime.

Certification of Service Producer



Become a certified service producer to the aquaculture industry with approval in accordance with NYTEK/NYTEK23 and the Norwegian standard NS 9415.

Aquastructures evaluates and approve your quality management system and the practical performance of the work. This to ensure services and operations are conducted in accordance with specifications in requirement, standard and from suppliers of main components and extra equipment. We provide certification services for:

- Installation of mooring systems, with anchor and bolts.
- Inspection with ROV with reporting, of mooring systems.
- Temporary repair of nets in cages/pens.
- Assembly of pens, barge and extra equipment.
- Flushing of nets in cages/pens.
- Safe handling when removal of lice.
- Towing of components for aquaculture facilities.



Land based Aquaculture

Product Certification



Technical report, fish escape

All land-based aquaculture facilities older than 01.01.2018 must have a report documenting the technical condition of the facility, with degree of condition for main components and common functions, with respect to fish escape will be determined. This is regulated by Norwegian authorities. The report consists of:

- Condition survey
- Technical drawings of drainage- and delivery system
- Risk assessment for operation and delivery of fish
- Geotechnical survey
- Maintenance plan

Aquastructures has contributed to the development of a guide for condition survey of existing land-based aquaculture facilities. We provide condition surveys with written reports with degree of condition of main components and functions.

Product Certification

Tanks (reinforced concrete tanks, steel tanks, plastic tanks, fiberglass tanks) and hoses delivered to land-based aquaculture facilities must fulfil the requirements in the technical regulation and the Norwegian standard NS 9416. The approval is through a certificate. The certificate confirms that the supplier has a satisfactory quality management system, and that the system is complied to during production of the product. Certified suppliers must, together with the product, deliver a Product Certificate and a user manual. **Aquastructures** provide certification services for tanks and hoses.

Aquastructures AS is Norway's leading supplier of engineering- and certification services to the aquaculture industry.

We also own and develop the analysis tool AquaSim, which is used for calculations and visualization of mooring systems, marine operations, structures.

We provide mooring analyses, product certification, certification of aquaculture facilities, site surveys and engineering services.



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