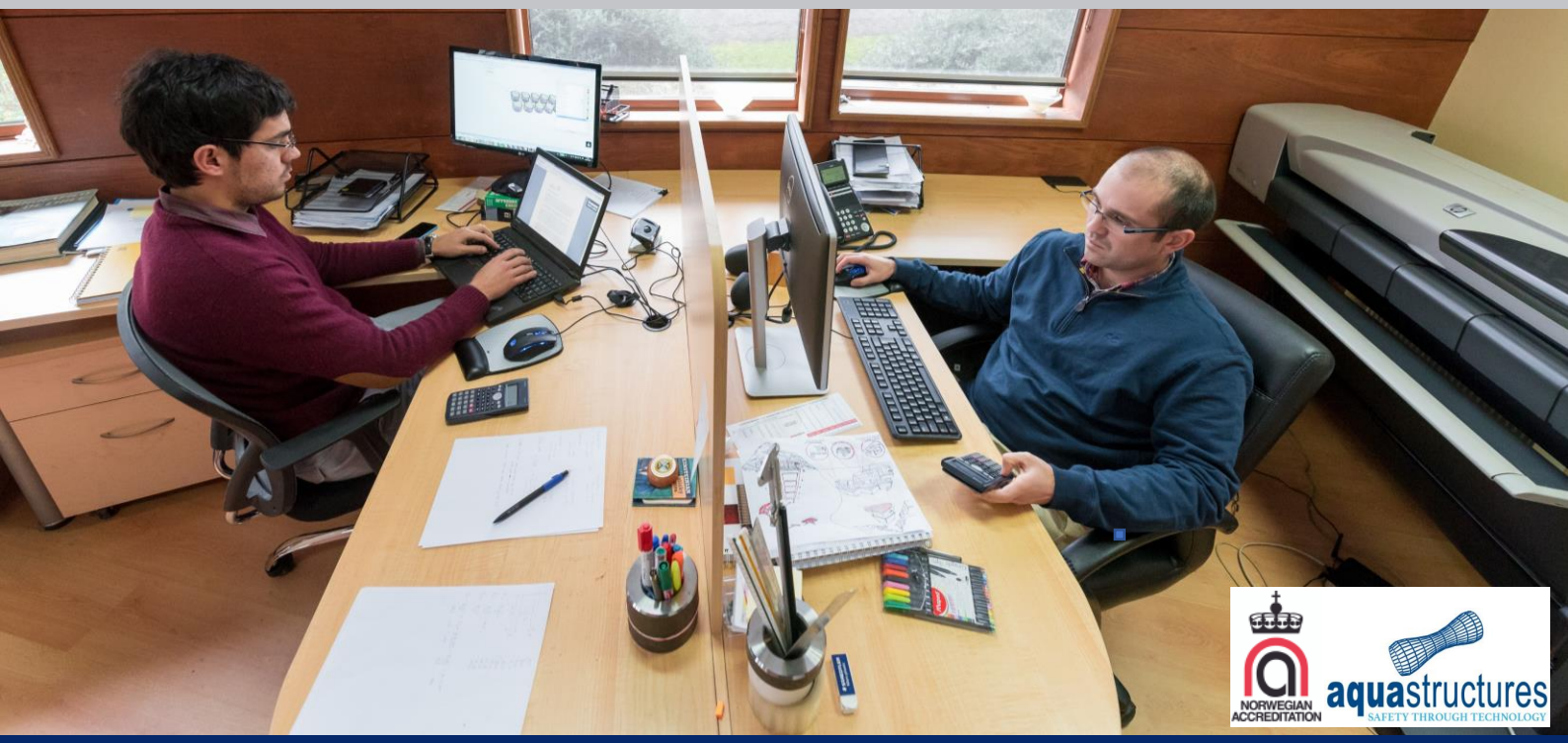
badinotti MARINE

ENGINEERING SERVICES

MOORING CALCULATION AND DESIGN



MOORING CALCULATION AND DESIGN REPORT

Mooring systems are very important and critical for the optimal functioning of farming facilities. Mooring systems ensure the cage or structure position remains at a specific point on the marine surface. Regardless of the impact of various challenging environmental conditions, quality mooring services protect your operations.

Badinotti Marine not only provides mooring services. We have access to the necessary equipment required by different areas in the world which can withstand the most unfavorable conditions. By combining the correct equipment with an expert team, we can provide you with quality, professional integrated solutions. The Badinotti Engineering Department use cutting-edge technology to analyze which mooring systems will fit your unique project structures.

Talk to us and avoid under or over spending on your next aquaculture and fish farm project. Let us work for you. Invest in your peace of mind.

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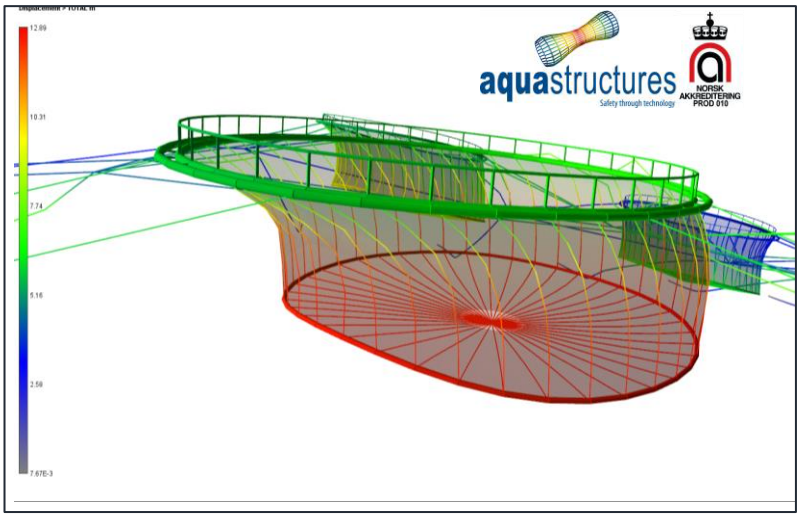
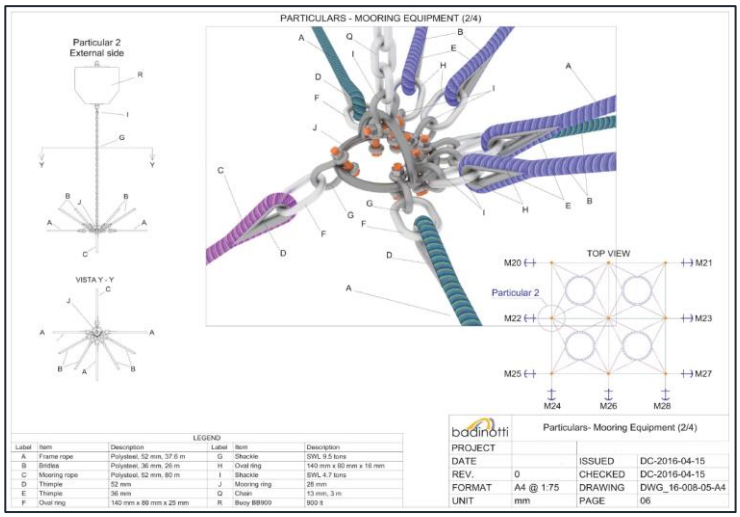
What should you expect from the study?

Report

The study of a system of farming cages (floating or submersible) will produce a comprehensive calculations report. It will also provide assembly drawings necessary for installation in a selected area with particular environmental conditions. AQUASIM by AQUASTRUCTURES, software expressly dedicated to the cage farming and certified by the NS9415 (Norwegian Standards), is used by our engineering team.





Report

For each equipment component that will be installed, an individual study will be conducted.

Calculations Report

A complete Floating Cages system report includes:

- 1 Static simulation to verify the correct distribution of forces in the mooring lines;
- 8 Dynamic simulations with an intact mooring system;
- 8 Dynamic simulations with a broken mooring line - highest stress simulation;
- Selection and verification of mooring line components and connections according to NS9415 standards.

Materials List

Type and quantity of materials needed for installation.

Set of drawings

- Location and Positioning (a single design for each concession);
- General design plan (a plan for each artefact);
- Detail design plan (one or more plans for each equipment).

Other

- Meeting reports;
- Anchor traction test report; if test is supervised by the Badinotti Group.

NORWEGIAN ACCREDITATION

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MARINE

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