



Custom Subsea Enclosures



From Shallow to Full Ocean Depth

Aluminum, Stainless Steel, Titanium

Comprehensive Structural Analysis

Pressure Testing

View-port Design and Integration

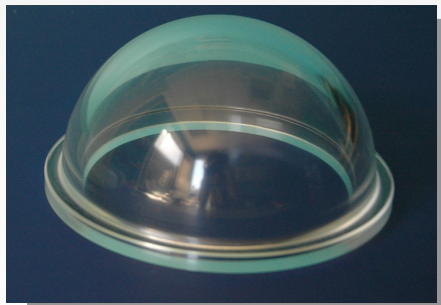
Custom interior Mounting Rack

Bellamare will work with the requirements of your project to recommend materials and enclosure shapes specifically suited to your application. From simple cylinders to complex geometries, we will find the most efficient solution for your particular needs, recommend underwater connectors and deliver fully assembled and tested enclosures.

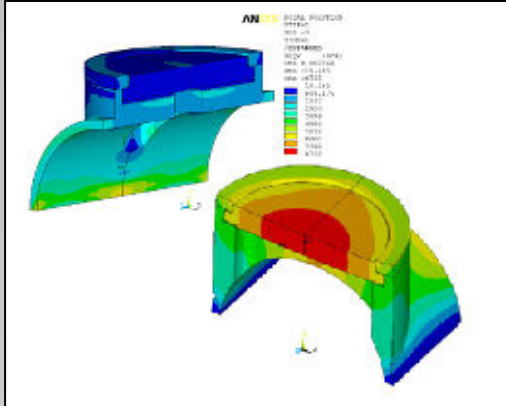
For further customization we can also integrate a variety of accessories into your housing, including glass or acrylic view-ports, interior mounting racks, external mounting brackets, pressure release valves, and nitrogen filling fittings.

Our enclosures are used internationally for a wide variety of applications, including housing underwater lights, battery packs, still and video cameras, sensors, thrusters, telemetry, junction boxes, electronics pods, and lasers...

Bellamare utilizes proven manufacturing methods and rigorous quality control inspections to guarantee that we deliver high quality products every time. We have the resources to complete full production runs, but we are also interested in receiving small orders and of course manufacturing individual housings.



Subsea Engineering
& Scientific Imaging



Most enclosures are unique and require detailed stress analysis in order to validate their design integrity. While it is mostly straightforward to correctly size a housing's wall thickness and come up with early preliminary design parameters, a sound analysis is crucial in identifying high stress areas due to the interactions of the assembly components.

High stress can appear, for example, due to the deflection of the end cap against the cylindrical housing end. Such stress can only be properly quantified via finite element analysis.

Such analysis/simulations not only allow us to predict the viability of a design but it allows us to improve its design quality, to optimize the product life or simply to save on its overall weight.

Bellamare's team has over 35 years of design and analysis experience not only in the marine industry but also in the aerospace and nuclear industry. Knowledge of design standards and industry practices coupled with an extensive knowledge of material properties and machining technologies makes us a trusted resource for your most difficult design challenges.

Our promise for quality begins with our engineers experience and the use of state-of-the-art analysis tools.

