



Classification and certification of diving systems

GL expertise for your safety

A challenge to your business

Working underwater pushes both professionals and their equipment to the limits of their endurance. Especially nowadays, when diving operations for offshore oil- and gas- or renewable energy installations are complex and performed under extreme working conditions. Professionals have to undergo rigorous training to be able to give their best. They expect to get the best available equipment for their preparation and for their performance on site. Providing a diving simulator or a diving system that meets such high requirements with regard to safety and reliability is not an easy task, and requires extensive know-how in underwater technology and offshore operations. Are you up to the task? If so, then let the internationally renowned GL seal prove that you surpass the highest expectations.

The solution you need

Over the past 25 years Germanischer Lloyd has examined and tested more than 90% of all newly built diving simulators worldwide, as well as a large variety of diver pressure chambers (DDC), diving systems, not only according to GL-Rules for Classification and Construction of Underwater Technology but also to other national and international Standards such as IMCA.

Our rules offer a helping hand regarding safety issues, technical calculations and design requirements. It does not matter how innovative your concept is. Flexibility is our strength. Our unique experiences allow us to corroborate the safety and reliability level of your equipment, to identify opportunities for improvement in design and operating processes, and to provide expert technical studies when required.

GL – your best partner

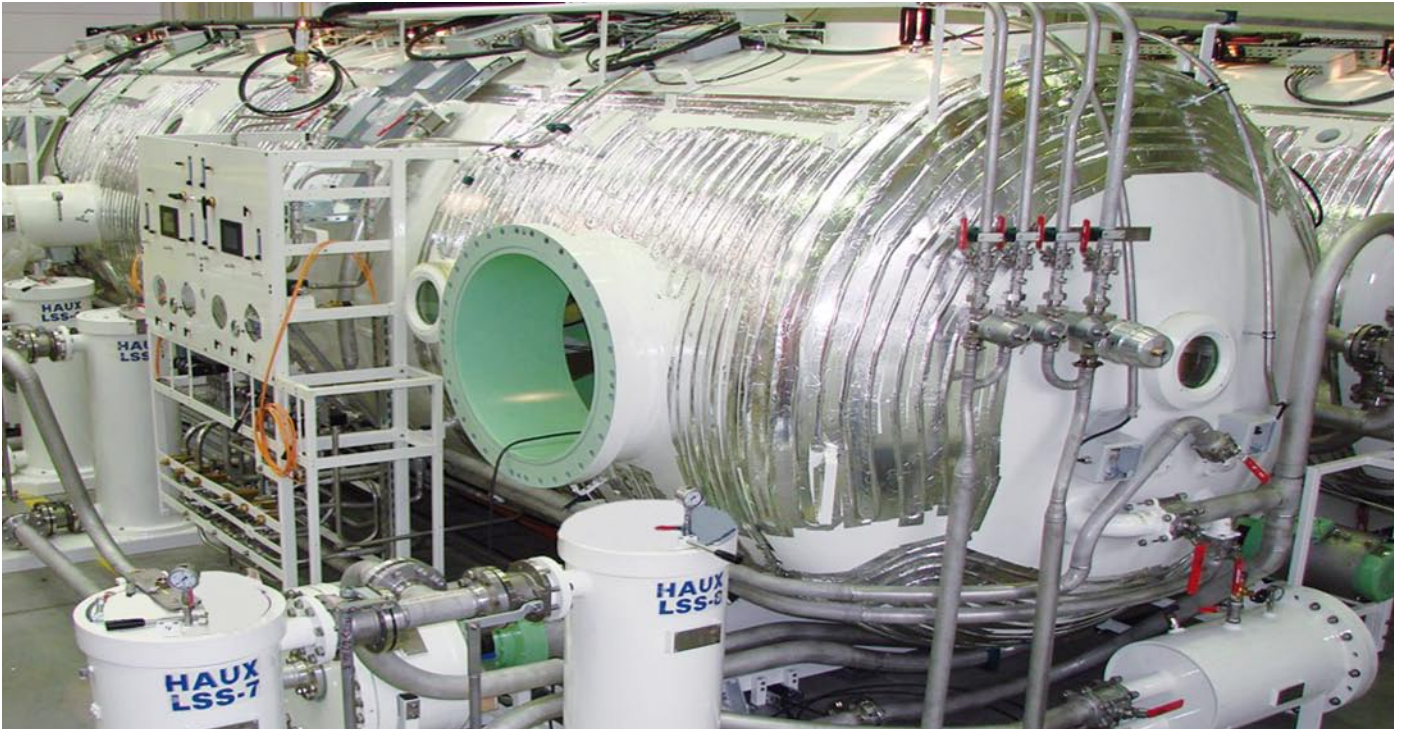
GL Maritime Services, together with GL Noble Denton, provides a wealth of expertise and experience in offshore and underwater technology. For decades GL has been approving, classifying and certifying diving systems, diving simulators, diver pressure chambers, hyperbaric treatment chambers, high-altitude chambers and the like, as well as submarines, submersibles, remotely-operated vehicles (ROVs), autonomous underwater vehicles (AUVs) and underwater working machines.

Moreover, we ensure our know-how is state-of-the-art through cooperation with universities, research and development institutes, engineering offices, manufacturing companies and operators all over the world. Last but not least, approximately 6,800 skilled staff members offer you friendly service and competent support in 80 countries all around the world. Whenever you need us, we'll be there to help.



GL has published its own Rules for Construction and Classification of Diving Systems, Diving Simulators and Diver Pressure Chambers.





Main chamber of a diving system during construction phase.

Benefits that make all the difference

- You have access to the best safety-related services due to GL's comprehensive experience in diving technology combined with vast professional know-how in underwater operations.
- We lead you to safe and reliable solutions with our flexible, customer-oriented approach.
- Our certification and approval processes are centralized under the control of the GL Pressure Vessels and Underwater Technology department, simplifying your communications.
- You are assured fast responses due to GL's global network of experienced surveyors, available anytime, anywhere.
- Your plans are handled quickly and securely via globe, GL's state-of-the-art global exchange system for paperless plan approval, which saves time and allows advanced filing.



Diving bell and decompression chamber for offshore conditions.

One-stop shopping at GL

By combining various services from GL's comprehensive pressure vessel portfolio you can save yourself time and money. You can not only take advantage of our **certification, design assessment and technical calculation services** for your pressure vessel but also benefit from similar services for underwater vehicles and working machines. Our one-stop shopping portfolio also includes a variety of **welding technology services** and **certification to ISO 9001 or 14001** as well as **assessment services for material manufacturers**, and **Pressure Equipment Directive (PED) or Transportable Pressure Equipment Directive (TPED) certification for pressure equipment**.

Please take an information tour on www.gl-group.com/supplyindustry for more combinable products and services.