

# About Germanischer Lloyd (GL)

GL offers assurance, consulting and classification for the maritime and energy industries.

#### Our vision: 'world-class services'

GL's vision is to become the world-class technical advisor and trusted partner in assurance, consulting and classification. Safety, quality, sustainability and environmental protection enjoy the utmost priority at GL.

#### ► Our mission: 'smarter, greener and safer'

Smarter, greener and safer working processes deliver world-class services to the global maritime, energy and industrial sectors.

Smarter... using our global expertise and networks to deliver industry-leading services. Greener... ensuring sustainability and efficiency through our services and products for our clients. Safer... understanding and supporting our clients' needs to produce superior and reliable services.

We are proud to be providing leading-edge services to ensure sustainability and efficiency within maritime transport, global energy supply and industrial processes.

We engage and support our clients in the design and operation of their assets to ensure safety and superior value.

### ► Our staff: 'truly international'

The backbone of GL's safety and quality philosophy is its highly skilled, well-trained, internationally minded experts who understand the needs of clients and stakeholders. GL's staff works in a group-wide culture of:

- open-mindedness
- orientation towards service and results
- willingness to go the extra mile
- delivering solutions for our clients
- not ignoring the merits of thoroughness and strictness when it comes to promoting quality and safety

On a global basis nearly 6,800 engineers and experts offer high-end engineering, combined with in-depth analysis and strong operational experience.

### ► Our service approach

We deliver superior value and safe, efficient and innovative solutions, uncompromising quality and world-class service for our clients around the world. Our qualification, know-how and experience allow us to be a trusted partner, a truly independent advisor and a third-party organisation. We are constantly anticipating future challenges and provide feasible, commercially sound solutions.

### Our global network

The global GL network consists of 208 locations in 80 countries. We maintain stations and country and site offices whenever and wherever our clients need direct contact to our GL experts. GL's head office is located in Hamburg.



### ► Our business segments

The GL Group consists of three major business segments: Ship Classification, Oil & Gas and Renewables.

### **Germanischer Lloyd Ship Classification – Maritime Services**

Germanischer Lloyd belongs to the top five classification societies. GL is dedicated to ensuring the safety of life and property at sea, and the prevention of pollution of the marine environment. As an independent third party, Germanischer Lloyd develops state-of-the-art rules, procedures and guidance for shipowners, shipyards and the maritime supply industry in order to offer commercially sound answers in times of economic challenges and tight regulatory regimes. Germanischer Lloyd is strong in the classification of container ships, tankers, bulk carriers, multi-purpose vessels, high-speed ferries, cruise ships, mega yachts and sports boats. GL's fleet in service amounts to 83 million gross tons. More than 6,890 ships are currently surveyed on a regular basis by GL surveyors.

Besides traditional classification services of plan approval, inspection and certification of materials and components as well as technical assessment of ships in service, we put particular emphasis on ship energy efficiency and environmental issues. The new business line 'Maritime Solutions' provides expert advice for optimising hull design, propeller performance, engine output, energy management and even crew performance. In addition, our scope of services covers consultancy, advanced engineering, certification, training and software solutions. GL maritime experts are advisors to governments, the IMO, flag states and port states.

# GL Oil & Gas / Noble Denton

For the worldwide energy industries GL acts as an international technical assurance and consulting company. GL provides assurance, inspection, consulting, project management and execution. It focuses on technical services and solutions along the entire life cycle of oil and gas (upstream, midstream and downstream) and energy installations onshore and offshore. The scope of technical services includes safety, integrity, reliability and performance management. In April 2009 Noble Denton, a premier provider of life cycle marine and offshore engineering services, joined GL and reinforced GL's offshore expertise. From January 2010 GL's Oil & Gas business segment will be merged with Noble Denton to form one company. With its global reach in the oil and gas centres of the world, GL Noble Denton will provide assurance, consulting, design and execution services.

# GL Renewables / Garrad Hassan

GL's Renewables business segment has been significantly expanded by the merger with Garrad Hassan and Partners Limited in August 2009. Garrad Hassan, the international renewables consultancy is the number one address for independent expert advice on wind energy and other renewables.

In conjunction with the certification and measurements services provided by GL Renewables, Garrad Hassan will become a worldwide leading independent provider of consulting, engineering, turbine design, certification, measurement, project management, strategic advice, inspection services and software products for renewable energies. The new company will provide technical services over the entire life cycle of wind, solar, marine and other renewable energies, both onshore and offshore. For the first time, a unique level of service expertise and global presence across the whole



project life cycle will be available in the renewables industry. Over 600 highly qualified engineers and technical experts at 34 locations around the world will offer a full-service approach, with a broad range of consulting services.

The service portfolio includes optimal design of wind farms, improvement in the performance of existing wind farms, measurement projects (wind resources, wind turbine performance and structural behaviour), inspection and certification of turbines as well as a large array of software products and turbine design services.

#### ► GL in a nutshell

Germanischer Lloyd was founded in 1867 by German shipowners in Hamburg. Today, GL serves a range of industries with a special focus on the maritime and energy sectors, combining its technology expertise and industry knowledge.

Due to its in-depth knowledge and role as an independent partner, GL facilitates a great number of standards and joint industry and research projects each year. It develops new tools, methodologies, standards and recommended practices to solve technical questions while reinforcing high safety and quality standards.

Thank you for your interest in our company and services.

November 2009