



Your commitment to a sustainable future

Ship Recycling

Towards a safer and greener business

In 2013 the “Hong Kong Convention for the Safe and Environmentally Sound Recycling of Ships, 2009” adopted by the International Maritime Organisation (IMO) is expected to come into force. The aim is to minimise, in the most effective, efficient and sustainable way, the environmental and occupational health risks of ship recycling.

A fundamental requirement of the Convention is the documentation of hazardous materials onboard. New and existing ships of 500 GT and above have to establish an Inventory of Hazardous Materials (IHM) within five years after entry into force of the Convention or prior to recycling. Hazardous material experts (HazMat Experts) have to be involved in the preparation of the IHM for existing ships. The IHM is to be utilised for the preparation of the Ship Recycling Plan (SRP).

Ship recycling yards will be required to prepare the SRP in consultation with the shipowner. A final survey is carried out, taking into account the SRP, prior to issuance of the International Ready for Recycling Certificate (IRRC) by the Flag State.

The challenge

Germanischer Lloyd (GL) is combining the knowledge of risk management with further research into the specific aspects of ship recycling and sustainability. GL experts offer a comprehensive Ship Recycling Service Portfolio. Our services were developed based on an assessment of our clients' needs and legal requirements. GL is actively supporting a greener and cost-effective way to operate throughout all cycles of a ship's life.

Ship Recycling Facility Certification

To ensure an effective preparation for the requirements of the Convention GL provides certification for ship recycling facilities in line with the new IMO Convention and ISO 30000 standards as well.

Requirements of the IMO Convention

The protection of human health and the minimisation of the impacts on the environment is of highest priority in the new IMO Convention including the requirements for ship recycling facilities:

- Authorization for handling hazardous materials
- Recycling Facility Management System
- Qualification and training for personnel
- Occupational safety and health
- Environmental protective measures and monitoring
- Monitoring of performance and human health
- Preparation activities (e.g. asbestos removal)
- Disposal arrangements (sub-contractors)

ISO 30000 series for ship recycling facility certification

Our certification service covers all aspects of the new IMO Convention and additional standards developed by the industry addressing ship recycling:

- Safe and environmentally sound management system
- Recycling processes and techniques
- Waste and recycling stream management including hinterland facilities
- All types and sizes of ships

Ship Recycling work process

The ship recycling work is to be conducted and carried out as described in the Ship Recycling Plan. The work process consists of four steps:

- Step 1: Preparation of SRP, including assurance of safe for entry and hot works conditions, handling of hazardous materials as listed in IHMs, cutting plan, etc.).
Application for approvals and certificates (IRRC, ICIHM including Parts II and III)
- Step 2: Removal of HazMats (e.g. removal, handling, storage, disposal)
- Step 3: Dismantling work (e.g. primary and secondary cutting, handling, storage, reuse/recycling/disposal)
- Step 4: Documentation (e.g. monitoring results, handled/ recycled/disposed materials, incidences impacting environment or human health)

Your benefits of early compliance

- Being in line with future legal regulations
- Good reputation by assuring greener and progressive activities
- Avoid the upcoming rush for approval
- Signal good standards approved by GL
- Identification and timely planning of required investments
- Establish your facility in the “IMO-compliant segment”
- Assure full compliance with regional requirements

Facility consulting for IMO/ISO compliance

As an alternative to the ship recycling facility certification GL offers a consulting service covering the requirements of IMO/ISO compliance.

Our experience provides you with a series of analysing instruments to assist in the implementation of the new Convention requirements:

- Adjustment of existing management system
- Adjustment of documentation
- Training of staff
- Accomplishment of internal audits and preparation of the evaluation by the executive board (management review)
- Preparation for certification and authorisation

HazMat Expert seminar

To be at the forefront of future requirements GL's training institute, the GL Academy, offers 4-day seminars in order to train HazMat Experts. The course has been specifically developed to facilitate an effective implementation of upcoming IMO requirements. Successful participation will be confirmed by a “GL-Approved HazMat Expert” certificate.

This seminar covers all relevant aspects and provides practical guidance for fulfilling all tasks related to the preparation of the IHM, including:

- Methods for effecting sighting of documents
- Structuring ships in functional units and systems
- Preparation of Visual Sampling and Check Plan
- HazMat identification methods
- Taking of samples and personal protective equipment
- Reporting and preparation of related documentation
- Preparation of IHM fulfilling all requirements

For more seminar information please visit our GL Academy homepage www.gl-group.com/glacademy