

# GAC Ship Lay-Up Solutions

Powered by **Bibby Ship Management & DehuTech**

## Comprehensive services for laid-up vessels





# Keeping your assets safe during lay-up

GAC Ship Lay-Up Solutions (GLUS) works with “best in class” partners under a single umbrella to provide the broad range of skills and experience required for the comprehensive care of a ship being laid-up. Part of the GAC Solutions stable, GLUS is a strategic partnership with Bibby Ship Management Ltd and DehuTech AB which offers cost-effective technical management and dehumidification solutions for laid-up vessels, tailored to the specific needs of each client, vessel and area of trade at a range of lay-up locations worldwide.

## Why Lay-Up?

Laying-up vessels makes sense, especially at times of low demand for ocean freight and depressed rates. During a regional or global recession, scrap prices drop and, over a period of time, significant financial benefits can be gained by laying-up a vessel instead of scrapping it. Other financial benefits include:

- Reduced wear and tear on vessel and machinery
- Reduced or no crew costs
- Reduced or no bunker costs
- Reduced P&I premiums by up to 50 percent
- Reduced H&M premium

## Tailored-made Lay-Up Options

Thanks to GAC’s global network of ship agency and in-depth local knowledge, GLUS offers owners flexibility in their choice of attractive lay-up locations around the world close to major shipping routes or other areas of interest, as well as a wide range of secure, safe and cost-effective solutions.

Depending on the extent the vessel needs to be laid-up, GLUS offers four different modes of lay-up – Hot (up to 3 months), Warm (up to 12 months), Cold (up to 5 years) and Long Term (5 plus years) – for varying duration.

Every GLUS client is individually evaluated and once their location preference and service needs have been identified, they are introduced to the local GLUS partner, who will prepare a tailored package to meet their requirements.

## Scope of Services

In accordance with recommendations by major classification societies and flag states, preparation for lay-up should preferably be carried out with the vessel’s crew, as they are the ones who know their ship best. GLUS can however assist with the whole work from arrival to the lay-up location. Once the vessel is ready, however, GLUS assist owners with and / or coordinate the following services – and more – through local providers.

- A wide choice of vessel lay-up locations, with thorough local knowledge
- Support with documentation to obtain permits from local authorities
- Safety and security advice
- Advice on the lay-up process including supply of procedures and checklists
- Technical management
- Routine maintenance and preservation
- Provision of machinery such as heaters, dehumidifiers and other equipment
- Regular monitoring of the vessel mooring and safe berth
- Round-the-clock security
- Comprehensive monthly reports to owners
- Crew management / crew supply
- Ship supply services
- Any other agency or logistics services as requested by the owner
- Assistance with efficient start-up after the lay-up period



# GAC Ship Lay-Up Solutions

## Technical Management and Lay-up Options

Laying-up a ship is designed to:

- Preserve and maintain the vessel structure and machinery by protecting against corrosion and static seizure.
- Maintain the security, safety and protection of the vessel, crew and environment.

The extent to which a vessel will be laid-up depends on several factors, including: anticipated lay-up period duration; the need to reduce running costs; time required for reactivation; and the age and value of the ship.

GLUS offers four different modes of lay-up:

- Hot up to 3 months (H)
- Warm up to 12 months (W)
- Cold up to 5 years (C)
- Long term 5 plus years (L)

### Hot lay-up – suitable for up to 3 months out of service with 24 hour reactivation

In this condition, the vessel is held within Classification and Flag State requirements, although crew numbers may be reduced to certified minimum safety manning limits. Machinery is kept operational but economies are made. The vessel is located in an area close to potential cargo trade routes.

### Warm lay-up – suitable for up to 12 months out of service with one-week reactivation

In this condition, vessel manning is reduced to below the trading limit and in agreement with the Flag State, Classification Society, insurers and local authorities. Most ports will only grant a temporary permit to lay-up a vessel in this condition in port, provided that Class and Flag surveys are conducted. There may be

local restrictions on vessels operations such as restrictions on the transfer of oily bilge water.

### Cold lay-up – suitable for up to five years out of service with three-week reactivation

In this condition, vessel manning is in line with emergency requirements to deal with fire, flooding, mooring and security watch. Cold ship lay-up locations are generally remote so access to the vessel can be limited. Upon reactivation, the vessel may need to go direct to dry dock before trading, depending on the extent of any hull marine growth. It is imperative that all preparations and processes during cold lay-up are well documented as crew changes may be significant.

### Long-term lay-up suitable for up to more than five years out of service with three-month reactivation

In this extended condition, preparations are comprehensive as original manufacturers are consulted for critical equipment, Any remedial work done on reactivation is likely to be extensive and unpredictable, such as renewal of alarm systems that may have become obsolete. For long-term lay-ups, several vessels may be laid up side-by-side to minimise supervision costs.

GLUS is aware of all these potential problems involved in lay-ups and has the experience, technical expertise and resources to avoid the pitfalls. For full technical details please request for our service guidelines or see [www.gacworld.com/solutions](http://www.gacworld.com/solutions).

GAC Ship Lay-Up Solutions is a business unit of GAC Solutions Limited and at all times acts as "As Agents Only" in respect to the supply of ship agency, logistics and certain products and/or services of Bibby Ship Management Ltd and/or DehuTech AB or associated companies of theirs and all business undertaken is subject to their Standard Conditions of Business, which are incorporated into all contracts to which they are a party. Bibby Ship Management Ltd and DehuTech AB Standard Conditions are available from our office upon request or at [www.gacworld.com](http://www.gacworld.com).



# GAC Ship Lay-Up Solutions

## Crew Management

GLUS provides sufficient manpower to carry out the lay-up preparation, with the assistance of the existing crew as required. After the initial lay-up has been achieved then, as soon as possible the crew may be reduced until the vessel is de-manned to an agreed level.

If totally unmanned, GLUS provides watchmen to ensure the security of the vessel, and technical staff to carry out recommended maintenance routines. Reductions below the minimum crewing levels should be agreed with the relevant Flag State and any necessary dispensation obtained. GLUS can carry these discussions on behalf of the owner as required.

### Crewing

GLUS can provide comprehensive crew management services to the international marine industry. This is achieved by close cooperation between Bibby Ship Management's subsidiary companies in Western Europe, Eastern Europe, India, Philippines and Singapore. This global coverage combined with other agency arrangements enable us to provide international seafarers, including, but not limited to, British, Northern European, Indian, Russian, Croatian, Polish, Ukrainian and Filipino Officers and Ratings.

### STCW '95 compliance

Seafarers provided will meet the very highest technical and operational standards. All personnel fully comply with STCW '95 requirements and always have the necessary experience relevant to the type of tonnage to which they are appointed. Our recruitment process is dedicated to providing crews with maximum expertise and self-sustainable capability.

### Personalised approach

GLUS and Bibby Ship Management pride ourselves on a hands-on, personalised approach towards Officers, Ratings and their families. This, in return, generates loyalty and commitment, a major advantage in the current environment of manning shortages. Resourcing from an exclusive pool of Officers and Ratings, our overall objective is to provide stability and continuity of personnel, bringing significant benefits to the performance of a prospective client's fleet both during lay-up periods and beyond.

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# GAC Ship Lay-Up Solutions

## Dehumidification

DehuTech AB, GAC's strategic partner in GLUS develops, designs and manufactures dehumidifiers and can provide a range of services to reduce the risk of moisture damages such as corrosion, mould and condensation.

There are basically two types of dehumidifiers – condensing and desiccant. For laid-up vessels, desiccant dehumidifiers are most widely used. However in certain climates and for certain compartments, condensing dehumidifiers can also be used.

### Areas in a vessel where dehumidifiers are used

- Accommodation areas
- Engine room
- Bridge and control rooms
- Specific objects

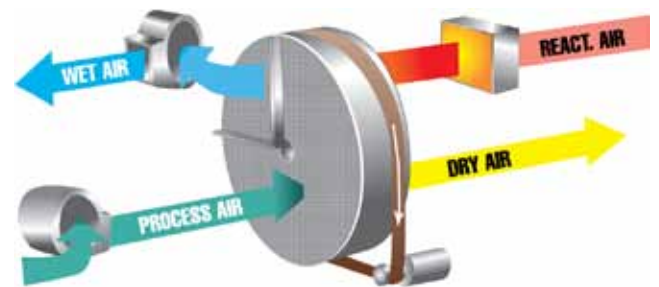
### Installation

Dehumidifiers are normally installed indoors but may also be installed outdoors provided they are properly weather protected. For outdoor installation without separate weather protection, specially designed outdoor dehumidifiers are available.

A dehumidifier can either be in continuous operation or controlled by humidistat to a desired level of relative humidity.

For laid-up ships, the principle of installation must be decided for each and every compartment or object to be dehumidified, taking into consideration many different parameters such as the desired level of relative humidity (RH) and climatic conditions at the mooring place. The type and size of each dehumidifier must also be determined and several other practical questions resolved.

GLUS has the experience, expertise and resources to provide informed advice on the best option for each laid-up vessel.



**Desiccant dehumidifier**

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# GAC Ship Lay-Up Solutions

## Ship Agency

GAC Shipping is a global leader in ship and port agency services. Through its global ships agency network, GAC has identified a range of locations around the world suitable for laying up ships.

Thanks to decades of extended relations, GAC's local offices maintain excellent rapport with port authorities to ensure that shipowners' vessels, superintendents, officers and crew get the best possible support at all times for their cleared in, laid-up and / or cleared out ships. Years of experience at most locations means clients can benefit directly from GAC's considerable tacit knowledge and buying power.

### Single point of contact

GAC's Hub Agency Centre in Dubai acts as the main focal point for Ship Lay-Ups, providing owners / operators with a single convenient point of contact for quotations and invoices, and enabling them to deal with best-in-class agents, logistics providers, technical managers, dehumidification manufacturers and other specialists for specific detailed matters.

This centralised coordination means that the GAC team dealing with your laid-up vessels is always synchronised and well placed to provide the best possible advice.

For lay-ups, GAC's specialist have created a comprehensive list of information required from each client, enabling GAC to identify the specific needs and best solutions for every individual vessel to be laid-up.

### What makes GAC Shipping special?

- Global coverage – represented in thousands of locations
- Flexibility in choice of lay-up locations worldwide
- Excellent references – serving over 3,500 leading principals
- Outstanding track record – over 50 years of experience in shipping, logistics and marine services
- Comprehensive range of ship agency and related services
- Centralised contact through GAC Hub Agency Centre, offering streamlined administration for greater efficiency
- Modern, effective IT solutions and security systems

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# GAC Ship Lay-Up Solutions

## Ships Spares Logistics

GAC Marine Logistics (GML) is a specialised logistics service which covers the entire supply chain management of ship spares and marine parts. It aims to provide ship owners, ship management companies, ship builders and manufacturers with an integrated and seamless end-to-end solution which is time and cost efficient – even during times of ship lay-ups, emergency or crisis.

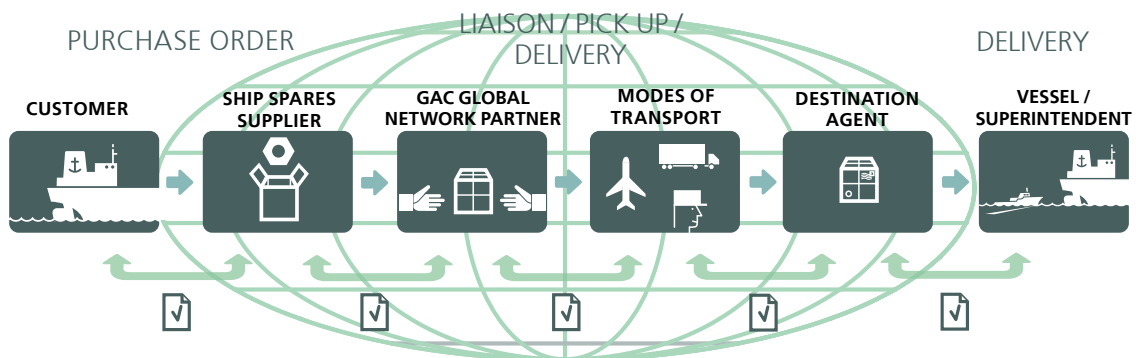
Leveraging GAC's expertise in logistics, ship agency and marine services, GML offers seamless single-source service that is fast, dependable and efficient. We take responsibility for the entire supply chain, ensuring complete peace of mind.

The GML service operates in conjunction with GLUS by offering logistics services which cover demobilisation of equipment from vessels entering lay up periods. Whether that involves local storage, re-export, transfer to other vessels in the fleet or local delivery, GML provides the logistics solutions as an integral part of GAC's innovative service to the shipping industry.

### GML Service Highlights

- Highly specialised door-to-deck delivery
- Time-sensitive, guaranteed service
- Single point of contact through Coordination Centres
- Worldwide coverage
- Multi-modal options
- GML Consolidation Centres in key countries
- Full control of physical operation and communication
- Competitive rates with global purchasing
- Single point of billing
- Purpose built web tracking system
- 24/7 operation

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# Specialist in shipping, logistics, marine and related services

## GAC Solutions

GAC Ship Lay-Up Solutions – Powered by Bibby Ship Management and DehuTech is a unit under GAC Solutions, a special business area of the GAC Group, set up to provide value-added products to the shipping and marine industries. It combines GAC's knowledge and long standing relationships with its shipping, logistics and marine customers with the products from world-leading suppliers. Other services range from class-approved fire, rescue & safety systems / services, onboard and office based weather routing solutions, protective solutions (anti-piracy), workwear and the list is growing.

Worldwide, the group employs over 8,500 people with more than 300 offices in over 40 countries, and works with an expanding network to deliver global reach.

## Bibby Ship Management

Bibby Ship Management's dedication to quality brings economic advantages to its clients. In particular, the company's adherence to stringent quality management systems, industry foresight and professional integrity means that the long term interests of clients are prioritised. Bibby Ship Management has a global presence and is part of Bibby Line Group, with over 200 years of marine heritage.

## DehuTech AB

DehuTech AB is a Swedish company that exports desiccant dehumidifiers to countries outside Sweden. The dehumidifiers are developed, designed and manufactured in Sweden and are used for a vast number of different industrial applications. DehuTech AB is a subsidiary of Fuktonroll AB, Sweden which has been active in the domestic Swedish market since 1980.

## What makes GAC Ship Lay-Up Solutions special?

- World wide services – global reach
- Local know-how
- Total flexibility with lay-up locations and modes
- Tailored solutions with broad range of lay-up services
- Choice of complementary shipping, logistics and marine services

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