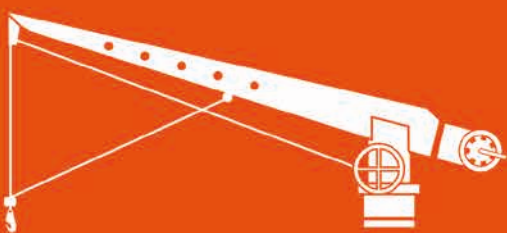




lifesaving appliances
and deck equipment



ACEBI is a French company founded in 1964, specialised in marine rescue equipment, ship deck equipment - and more generally, equipment for lifting goods or persons.

Over the years, ACEBI has designed and produced land and marine cranes as well as forklift trucks, followed by davits and various items of equipment intended for use in the maritime and offshore environment.

ACEBI is organised around two main business lines :

- the design and production of new equipment: davits, lifeboats, rescue boats, cranes, accommodation ladders, doors, swimming platforms and gangways. We specialise in creating customized solutions to meet your requirements, and can also offer davit and boat together, as a complete package.
- The Acebi Service Department provides lifeboat and davit services such as: inspections, repair services, maintenance and refurbishment, spare parts, lifeboat and davit load testing services, technical support, vessel crew training, service engineer certification, and service contracts.

In addition, ACEBI has created **the Acebi Training Center**, dedicated to lifesaving devices and based in Lorient (France), to provide SOLAS equipment training to its technicians and agents, as well as to ships' crews.

The Acebi Training Center is equipped with every existing type of davit.

The ACEBI head office is located on the outskirts of Nantes (France), and is home to the Sales, R&D, Administrative and Service departments.

Acebi also has service stations in Gabon, Congo, Morocco, Nigeria, and Singapore.

The company is represented worldwide through a network of authorised agents.

ACEBI is part of the **Acebi Marine Group** with its sister company **AMGC**, which was founded in 1971 and is based in Carvin (France). The company operates as an original equipment manufacturer of deck machinery and mooring systems, including mooring winches, anchor windlasses, and capstans.

As a specialist in lifesaving equipment, ACEBI is certified by a range of classification bodies, such as :

- BV
- DNV GL
- ABS
- LR
- RINA
- US COAST GUARD
- CCS

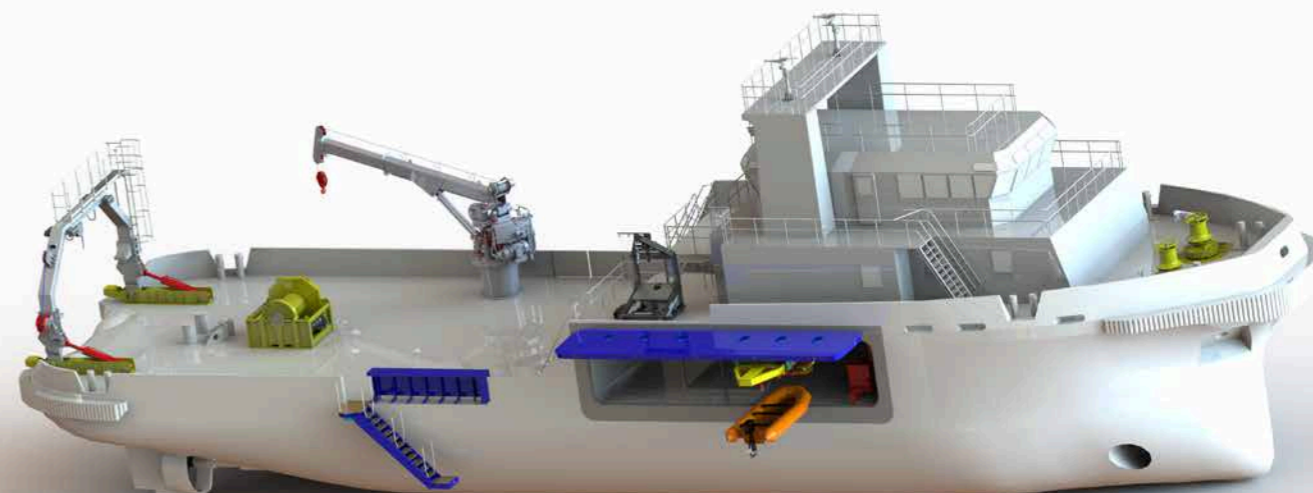
All year round, we work on a varied range of projects that are in the process of certification by various classification bodies, so we are well aware of classification recommendations and requirements with regard to different products and needs.

ACEBI is compliant with the internationally recognised quality standard ISO 9001.



ACEBI also provides yacht deck equipment. For further information, please request our catalogue.

Our subsidiary **AMGC** provides deck machinery and mooring systems. Please request a catalogue, or go to: www.amgc-marine.com



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DAVITS



Our Stored Power Davit is designed to offer a compact solution for the safe and efficient launch and retrieval of lifeboats and rescue boats. It is built for long term, reliable operation in a harsh and hazardous marine and offshore environment.

ACEBI has developed stored Power Davits for multiple applications: OFFSHORE, MERCHANT SHIPS, NAVY and MEGA YACHTS.

The system is suitable for a safe and efficient launching and recovery of a fully-manned Lifeboat and its equipment.

Launching of the lifeboat or rescue boat can be performed either from inside the boat with a remote-control unit (supplied as standard), or from deck.

Operation of the lifeboat or rescue boat is made through an electro-hydraulic driven system.

The Stored Power Davit system is designed to meet the latest IMO / SOLAS requirements, as well as the LSA Code and European Council Directive 96/98 on Marine Equipment (MED).

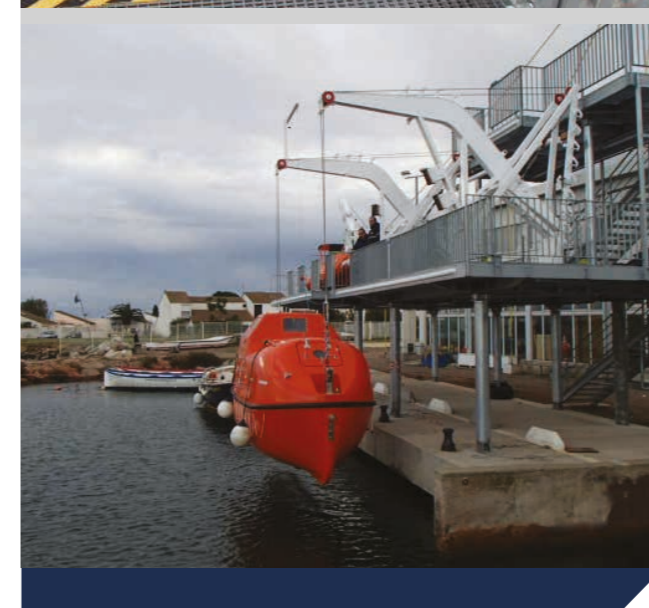
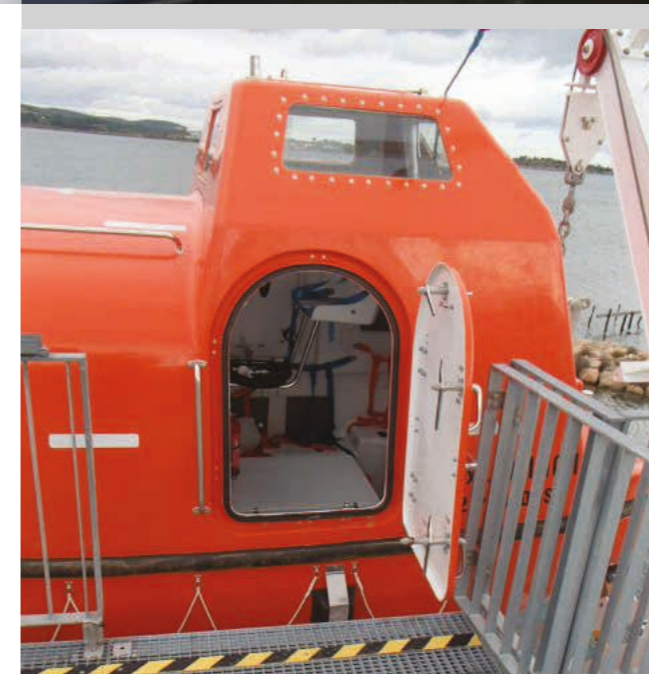
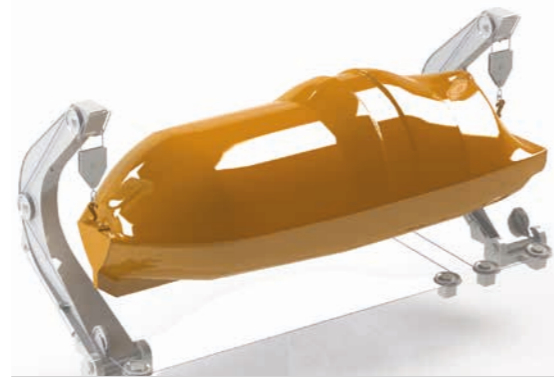
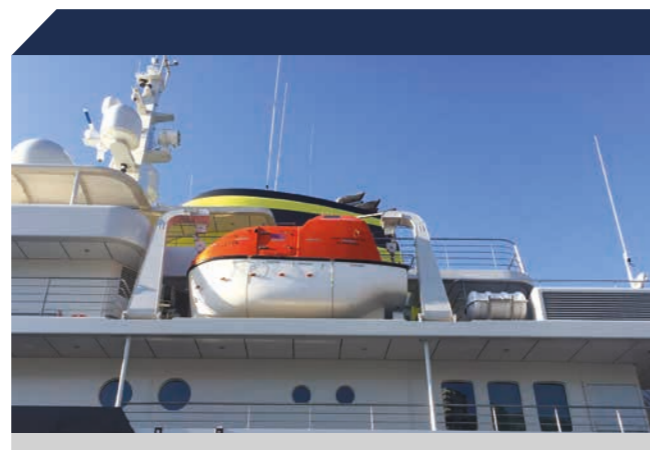
Stored Power Davits are available in several models and sizes for ships and rigs, with capacities for lifeboats and rescue boats up to 23,000 kg.

➔ KEY FEATURES

- Accumulated power in case of blackout
- Independent / Plug & Play operation
- Suitable for every type of lifeboat / rescue boat
- Compliant with NORSOK R-002
- Very low height
- Special design for yachts and mega yachts

➔ OPTIONAL

- Welded or screwed davit mounting
- Wave compensation on two arms
- Full manned lifeboat recovery



The Gravity Rollertrack Davit is deck-to-wall mounted, comprising two davit arms (each supported by a trackway) and a separate winch. The davit is designed for boarding and launching the lifeboat from an embarkation deck (outboard embarkation), or from storage deck in accordance with vessels design.

The davit design allows free passage beneath the lifeboat.

| SINGLE PIVOT GRAVITY DAVIT

The Single Pivot Gravity (SPG) Davit is based on a well-known concept. Swing-out and lowering are achieved in a single continuous movement, and the lifeboat is launched within the minimum time demanded by SOLAS. The winch brake is released by the operator either on deck, or from within the lifeboat. When the brake is released, the davit arms swing out, and the boat is then lowered to the water. This operation can be stopped at any time by engaging the winch brake.

In accordance with the latest SOLAS requirements, the rescue function is also fulfilled.

Both of the above mentioned systems feature :

- Gravity lowering of the loaded lifeboat, independent of external power supply
- Lifeboat retrieval with three crew members if used as a conventional lifeboat, or six crew members if used as a rescue boat
- Lifeboat retrieval by manual hand cranking

➔ KEY FEATURES

- Simple installation and winch support integrated to the davit stool
- Simplicity due to few moving parts (low maintenance costs)
- Suitable for every type of lifeboat

➔ OPTIONAL

- Full manned lifeboat recovery



The fixed outriggered davits have been designed for long-term operation under severe and extreme circumstances in a highly corrosive marine environment.

ACEBI has developed reliable cantilever & A-Frame davits which, due to their outboarded positioning, do not take up space on board.

Complete packages including Lifeboats and Rescue boats and appropriate davits are designed to reduce interface and installation costs and facilitate maintenance.

We seek to offer crew members optimal security in offshore working conditions.

ACEBI's offshore equipment can be approved to the latest NMD 853 and Norsok R-002 standards, which prescribe the strictest quality and reliability standards to ensure optimum security.

As an option, in the event that equipment installation is in a hazardous area, the electrical components on the davit and winch can meet both ATEX and European standards for explosion-proof equipment.

ACEBI offers several types of CANTILEVER DAVITS, including PLATFORM, A-SHAPE and PFDk.

KEY FEATURES

- Lifeboat launch in maximum load condition
- Lifeboat retrieval, including crew, using electrical power
- Lifeboat retrieval using manual hand cranking
- Compliance with the latest NMD 853 and NORSOK R-002 standards

OPTIONAL

- Full manned lifeboat recovery



Our fixed outriggered davits have been designed for long-term operation in severe and extreme circumstances in a highly corrosive marine environment.

ACEBI has developed reliable cantilever and A-Frame davits that do not take up any space on board.

Complete packages including rescue boats and their adapted davits are designed to reduce interface and installation costs, and facilitate maintenance.

The freestanding deck-mounted davit comprises a fixed davit arm with a built-on winch. The system is suited to the safe and efficient launch and recovery of a fully-manned (fast) rescue boat and its equipment.

We seek to offer crew members optimal security in offshore working conditions.

ACEBI's offshore equipment can be approved to the latest NMD 853 and Norsok R-002 standards, which prescribe the strictest quality and reliability standards to ensure optimum security.

As an option, in the event that equipment installation is in a hazardous area, the electrical components on the davit and winch can meet both ATEX and European standards for explosion-proof equipment.

ACEBI offers several types of CANTILEVER RESCUE BOAT DAVITS, including: PLATFORM, A-SHAPE and PFDk.

KEY FEATURES

- (Fast) rescue boat launch in maximum load condition
- Safe & reliable
- Suitable for all types of (fast) rescue boats (regardless of length, width or weight)

OPTIONAL

- Full manned rescue boat recovery



A-FRAME RESCUE BOAT DAVIT



A-FRAME DAVITS have been designed to be as lightweight and compact as possible. Our equipment is designed for long-term operation under the severest and most extreme conditions, in a highly corrosive marine environment.

The A-FRAME RESCUE BOAT DAVIT is a freestanding deck-mounted davit consisting of a base frame, davit arm, cylinders, winch and hydraulic power pack unit (which can be integrated on to the davit).

The system is suitable for safe and efficient launch and recovery of a fully-manned rescue boat in unfavourable conditions, with trim of up to 20 degrees and list of up to 25 degrees either way.

Since the davit's safe working load and outreach are determined by the size and shape of the rescue boat, ACEBI has selected a limited range of standard designs that can be adapted to meet individual and specific needs.

The A-FRAME RESCUE BOAT DAVIT series meets the latest IMO/SOLAS requirements and LSA Code as well as the European Council Directive 96/98 EC on Marine Equipment (MED). The davits can be made compliant with the latest NMD 853 or NORSOK R-002 regulations upon request.

KEY FEATURES

- Compact design
- Small footprint for easy installation on board
- Delivered as a Plug & Play unit, ready for immediate use
- Stainless steel HPU (Hydraulic Power Pack) unit is included ; all critical components are fully submerged in hydraulic oil
- Stainless steel for all shafts, piping, nuts and bolts up to M12
- Remote control push button box, for hoisting and emergency stop

- Easy access for periodic maintenance, service and repair, supported by clear labelling and detailed manuals
 - Relatively low davit weight and deck load
 - Screwed or welded mountings
- MAIN OPTIONS**
- Hydro-pneumatic shock absorber
 - Constant tensioning system
 - Anti-pendulum system or dynamic arms
 - Pivoting or sliding type
 - Full pay load hoisting
 - Compatibility with NMD 853 or NORSOK R-002 standards is possible
 - Wireless remote control



SLEWING DAVIT



Our SLEWING DAVIT are designed to last, even in the most severe and extreme corrosive marine environment.

Our SLEWING DAVIT systems are suitable for the safe and efficient launching of fully-manned liferafts and rescue boats in unfavourable trim and list conditions (10°/20°) either way.

MAIN OPTION

- Customized solution
- Motorized lowering
- Electrical or hydraulic winches
- Hydro-pneumatic shock absorber
- Constant tensioning system
- Aluminium Davit (MED certification by DNV-GL - low weight)

KEY FEATURES

- Raft, rescue boat or both
- Easy to operate
- Suitable for every type of liferaft & rescue boat
- Small footprint
- Plug & Play
- Completely autonomous in terms of power





The PFDk Davit is a new fixed outrigger davit model. This new Davit has been designed for long-term operation under most severe and extreme circumstances in a highly corrosive marine environment.

ACEBI has developed PFDk davit as a reliable solution, occupying as little space as possible on deck.

Complete packages including lifeboats and rescue boats with their adapted davits are designed to reduce interface and installation costs, and to facilitate maintenance.

This is the best way to offer crew members optimal security in offshore platform working conditions.

ACEBI's offshore equipment can be approved in accordance with the latest NMD 853 and NORSOK R-002 regulations, which are the strictest standards of quality and reliability, ensuring optimal security.

As an option, in the event of equipment being installed in hazardous areas, the electric components on the davit and winch can be supplied ATEX-approved, and are compliant with the European standard for explosion-proof equipment.

➔ KEY FEATURES

- Twin hooks for Lifeboats
- Single hooks for rescueboats
- Minimal maintenance requirement

➔ OPTIONS

- Full manned lifeboat recovery



Our OVERHEAD DAVIT series for launch and retrieval of lifeboats and rescue boats are designed for long-term reliable operation, even in the severest corrosive marine environment.

The OVERHEAD DAVIT is a suspended roof-mounted davit comprising base frame(s), davit arm(s), with cylinder(s), winch(es) and a hydraulic power pack unit.

Recovery of the boat is achieved by means of the hydraulic winch.

The OVERHEAD DAVIT series is available as slewing or telescopic type.

The standard davit is designed and manufactured in accordance with the latest DNV-GL requirements and the davit system complies with the latest IMO/SOLAS requirements, LSA Code and the European Council Directive 96/98 (EC marking of Marine Equipment (M.E.D.) Directive 96/98 (EC marking of Marine Equipment (M.E.D.)).

➔ KEY FEATURES

- Single or double arm
- Telescopic and/ or slewing
- Compact construction
- Suitable for every type of lifeboat or rescue boat
- Plug & Plays

➔ OPTIONS

- Full load capacity lifting
- NMD 853 compliant
- Norsok R-002 compliant

PLUG AND PLAY WINCHES

ACEBI has now many years' experience of designing tailor-made solutions, always suited to the vessel structure and boat type used, taking care to come up with the most compact, lightest and most efficient solution - and having the lowest maintenance costs on the market.

ACEBI has now developed a new range of winches, offering Plug & Play solutions for every type of davit (all manufacturers) - even if already installed.

Our design office is at your service for all your requirements, with a view to develop the best solution which will suit your needs.

➔ KEY FEATURES

- Modular system
- Easy to install
- POB increase
- Builds safety
- Height increase (jacking up) without necessitating complete winch replacement and/or davit replacement
- Easy to maintain and low maintenance costs due to full mechanical components





CRANES



Our wide range of compact cranes offers customers an extensive selection of standard and purpose-built equipment. ACEBI's long experience in this specific field of marine engineering and design has allowed us to develop an extraordinarily diverse selection of 'off-the-peg' units which includes: fixed arms, luffing, telescopic and monorail cranes - all ideally suited to both marine and quay mounting, as well as to merchant naval and offshore use.

- All cranes can be powered using diverse energy sources – for example, a built-in hydraulic, pneumatic and/or electrical power pack. Furthermore, cranes can be equipped with an enclosed cabin (heated and air conditioned).
- If low weight is requested, in case of a strong corrosive atmosphere, low-temperature working conditions or special aesthetic requirements, ACEBI can use different types of raw materials, such as high-tension steel, low-temperature steel, aluminium or stainless steel.
- For specific markets such as mega yachts, ACEBI has developed a specific crane for each project, based on a standard model and adapted to meet the requested specifications.

➔ **LUFFING CRANE USING A HYDRAULIC JACK**

A simple, reliable and compact crane with variable outreach and a full set of safety features. Our versatile design can meet all cargo handling demands. All combinations of SWL and Rmax are available, up to 200 tonnes x meter.

➔ **TELESCOPIC LUFFING CRANE**

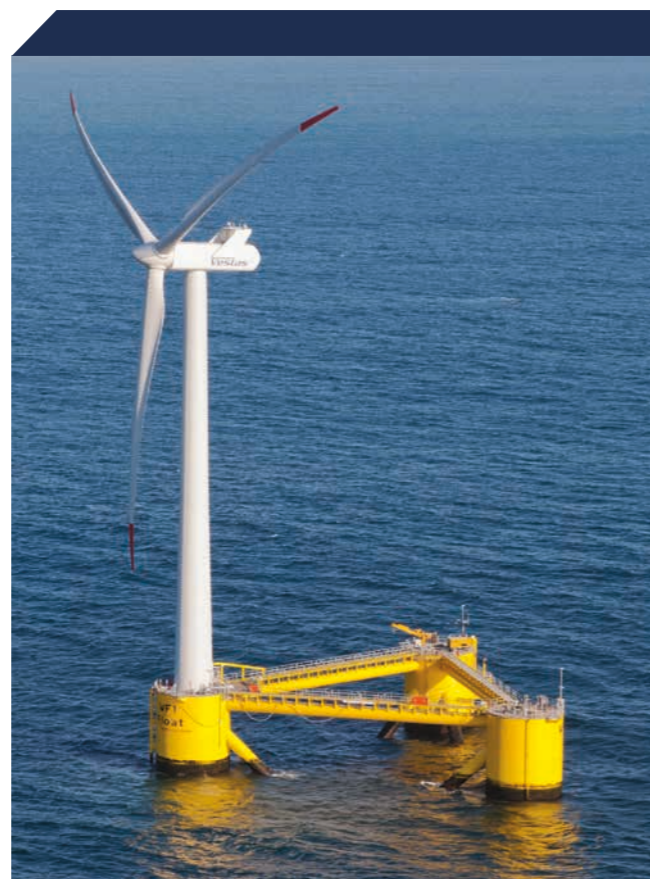
A short stowage length is available in case of limited space. Double/triple telescopic versions can offer extremely short jibs. Maximal outreach can be a combination of luffing and telescope. Rmax and SWL to meet customer requirements and needs.

➔ **LUFFING CRANE BY WIRE**

ACEBI's Luffing Cranes are ideal for container and bulk carriers. Cranes are supplied with ergonomically-designed and well-insulated operator's cabins.

➔ **FIXED ARM CRANE**

ACEBI has been supplying Fixed Arm Cranes for many years now; these are available up to 10t t-trend capacity, and up to a 15 m radius. Their design is compact, reliable and efficient - and their maintenance cost is low. The pneumatic model is specifically designed for hazardous areas like offshore installations.



ACEBI offers complete packages of fully automated deck equipment, for boat launching, hoisting and access facilities, in compliance with both international regulations and customer requirements.

The company has extended its range of products, developing hull doors, moving platforms and boat landing platforms, as well as access equipment: gangways, accommodation ladders and loading systems.

ACEBI also designs and supplies a complete low pressure hydraulic system to operate this access equipment (hydraulic cylinders, pumps, PLC system controls etc.).

In the storage position, all access equipment and doors are fully integrated into the vessel's hull.

Listed below are some examples - other items of equipment are available upon request.

- Hull and Crew Doors
- Moving Platforms (Lazareth doors, platform side and front panels)
- Accommodation ladders
- Gangways
- Hinged panels for liferafts
- Masts



LIFEBOAT

LIFEBOATS SYSTEMS

TOTALLY ENCLOSED LIFEBOATS



ACEBI's Totally-Enclosed Lifeboats are designed and tested to comply with the latest IMO / SOLAS regulations (MED 96/98 EC). Two versions are available: tanker and conventional. Two conventional boat models are available: PELB (Partially-Enclosed Lifeboats) and TELB (Totally-Enclosed Lifeboats).

The tanker versions are built to withstand the extreme conditions in which they will be operating; they are resistant to extreme heat, oil, moisture and acids / basics.

➔ SEATING ARRANGEMENT

ACEBI offers seating arrangements suited to various weight/sizes, as per regulations and customer requirements.

➔ OPTIONAL EQUIPMENT

Bow thruster, VHF, Engine Heater, Cabin Heater, Air Humidifier, EPIRBs, SARTs, and equipment for compliance with POLAR and ICE CLASS regulations.

CONVENTIONAL VERSION (CARGO)

All boats are fitted with European-standard equipment, engines are manufactured by BUKH, and the electrical charging system is by DEFA.

➔ NOTIFYING BODY

- Bureau Veritas or other, upon request
- ACEBI lifeboats are certified to the latest LSA Code as amended, with new hooks meeting the standard laid down in the following resolutions: MSC.320 (89) and MSC.321 (89)



PARTIALLY ENCLOSED LIFEBOATS

LIFEBOATS SYSTEMS



These boats are built to comply with the latest SOLAS amendments, and designed to be launched using Pivot Gravity, Gravity Roller Track Davits, Hydraulic Stored Power Davits and Platform Davits.

ACEBI offers a full range of partially or totally enclosed lifeboats and combined tender / lifeboat systems for every type of passenger vessel.

Each system is developed for optimal performance and space-saving, since the top priority is to meet the needs of today's cruise lines and ferry operators.

➔ KEY FEATURES

- Excellent performance
- User-friendliness
- Space-saving
- Low maintenance



Freefall solutions enable fast evacuation in an emergency. Boats are designed to accelerate gently during water entry. They are designed for safe and efficient launching and retrieval.

ACEBI freefall lifeboats are designed and tested in accordance with the latest IMO/SOLAS regulations (MED 96/98 EC).

Two versions are available: tanker and dry cargo.

All boats are fitted with equipment meeting European standards and all have BUKH engines. The electrical charging system is from DEFA.

➔ NOTIFYING BODY

- Bureau Veritas or other, upon request.
- ACEBI also offers freefall systems for use in offshore applications. Freefall solutions allow rapid evacuation in an emergency.

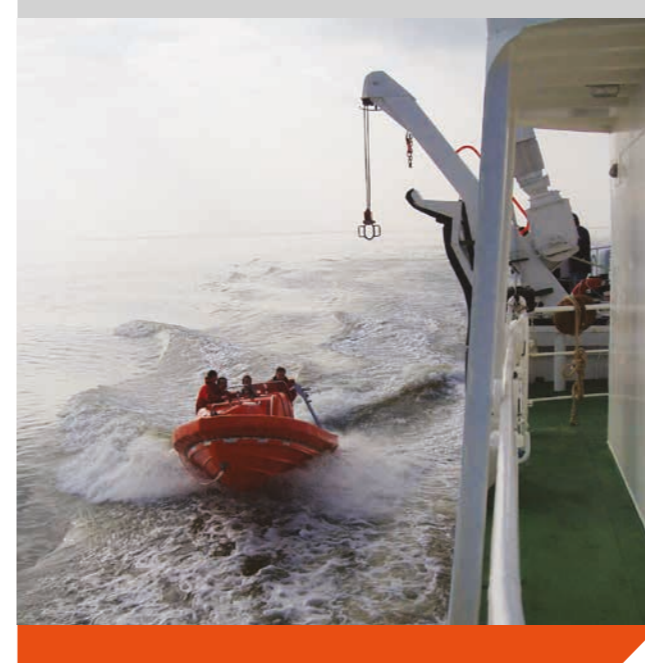
| ACEBI FREEFALLS OFFSHORE

A quick get away from dangerous becoming installations.

We apply our vast experience from the North Sea into the research and development of our products.

➔ KEY FEATURES

- Maximum distance from installation
- Position to water entry point
- Positive forward motion after water entry
- Good guidance during initial phase of drop, providing stability during the free-fall phase
- Thoroughly proven system designed for large list and trim angles
- Robust system designed to withstand strong winds and waves from any direction



ACEBI's fast rescue boats can be supplied with either outboard petrol or inboard diesel engines.

Their high-speed hulls enable them to reach speeds of up to 35 knots. Our fast rescue boats are equipped with STEYR inboard diesel engines and Alamarin-Jets; they are thus both fast and extremely manoeuvrable.

Rescue boats are excellent for: man-overboard recovery, fast personnel transportation, and anchoring and mooring operations. When urgent intervention is needed, our fast rescue boats are up to the task.

Rescue boat davits are specifically designed to allow fast launching in difficult working conditions.

Our fast rescue boats are fitted with hydraulic steering as standard. The robust GRP frame ensures good self-righting ability, while large drain valves in the stern ensure drainage from the deck. The boats are equipped with high-quality navigation lights and switch panels (IP 56).

➔ OPTIONAL EQUIPMENT RESCUE/FAST RESCUE BOATS

VHF, console cover, boat cover, engine heater. A Henriksen hook can be installed on request.

➔ KEY FEATURES

- Free draining deck
- Robust, impact resistant and fire-retardant fender/ hull
- Ergonomically designed cockpit
- Single-point lifting frame with offload release hook
- Inboard diesel engine with waterjet system

➔ OPTIONS

- Strong, welded, shot blasted, strengthened aluminum hull



ACEBI introduces its new range of rescue boat (semi-rigid or rigid) systems to suit every marine application: merchant vessels, passenger vessels and offshore.

These boats can be used as Service / Work boats or lifeboats. The design focus is on functionality. We design davits specifically for each type of Service / Work that will be demanded of them. Our special designs ensure excellent stability and optimal working conditions on board, even in rough sea conditions.

Our rescue boats are delivered with either outboard petrol engines or inboard diesel engines. The boats are built of GRP on aluminium, with a low freeboard to facilitate rescue operations. Self-bailing, with ample deck space, self-righting capacity and a sturdy foam-filled fender, the boats are supplied with an inboard diesel engine and water jet propulsion unit, or an outboard petrol engine. Our specially-developed davits with shock absorbers and tension systems for severe weather conditions allow our rescue boats to be launched from a mother ship even in heavy sea conditions.

The boats meet current IMO/SOLAS regulations MED 96 / 98 AC. Our boats and equipment are fully compliant with the latest SOLAS regulations and amendments, and are EC-labelled in accordance with the Marine Equipment Directive.

LIFE RAFTS AND SURVIVAL EQUIPMENT

In addition to more traditional lifeboats, or for smaller ships not requiring such equipment, we provide liferafts complete with our davits, as a complete package.

Our systems fulfil all the latest directive requirements and can match every case, with the option of a fully integrated system (in the ship's hull) and/or a more traditional davit having variable boom length.

LIFERAFTS

These liferafts are built and approved to the latest IMO requirements, and have EC markings as per the MED circular. The design is patented, and a European application is in process.

⊕ THROW OVERBOARD LIFERAFTS

Tilting cradles are available in steel, aluminium or stainless steel. These cradles are to be completed with a lashing arrangement and a hydrostatic release unit.

⊕ SR : SELF-RIGHTING

- A Pack : including survival kit
- B pack : without survival kit



SERVICE DEPARTMENT AND SPARE PARTS





Since 2006, ACEBI is offering a service activity, and has a team of technicians available globally for :

- Lifesaving devices
- Lifting equipment
- Winches, towing winches, anchors, capstans, etc

ACEBI Service Department is certified by LR, DNV-GL, BV and RINA.

LSA

➔ YEAR & 5-YEAR INSPECTIONS

- A team of certified skilled service engineers
- Approved checklists for lifeboats, on-load release gears and launching device inspections
- OEM spare parts
- Official Certificate of Serviceability issued for 1-year or 5-year inspections
- A full inspection report
- Fleet/Vessel Service Agreements
- Preventive and curative maintenance to improve equipment functioning

➔ TECHNICAL SUPPORT

Water bag rental for all equipment types. Skilled technicians available for load test management

- Annual inspection
- 5-year inspection
- Refit / Repair
- Water bag rental
- Rehooking

TECHNICAL SUPPORT

@ service@acebi.com

+33 (0) 240 980600



INTERVENTION
7/7 ■ 24/24



➔ TRAINING & AUTHORISATION

- Specific courses for learning how to use lifeboats, rescue boats and davits
- Dedicated training sessions on ACEBI original equipment for the service engineers of approved service partners
- Dedicated HOSIET, BOSIET and OPITO training sessions LIFTING EQUIPMENT/ WINCHES, TOWING WINCHES, ANCHORS, CAPSTANS, etc

➔ MAINTENANCE & REFURBISHMENT

- Preventive and curative maintenance to improve safety
- Fleet or Vessel agreement for follow-up, and levelling of maintenance work load and cost
- Spare parts department for all manufacturers
- Only genuine spare parts to original specifications
- Spare parts fitted by ACEBI / Certified Technicians to maintain equipment in good condition



To ensure that your experience with our equipment is as good as it can be, it's only natural that ACEBI offers a high quality after-sales service.

In addition to our inspection and maintenance activity, we provide you with a team dedicated to meeting your spare parts requirements - regardless of whether the parts you need are our own, or from other manufacturers of davits and lifeboats (OEMs).

➔ WHY BUY GENUINE SPARES FROM THE OEM?

- Always use approved spares on lifesaving equipment
- Avoid equipment failures during operation and training
- Maintain product warranties
- Extend the life of your equipment
- Make overall cost savings and improve safety
- Ensure compliance with SOLAS

CONTACT US

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