



MARINE EVACUATION SYSTEMS

Providing critical safety solutions



CONTENTS

3

Complete safety
solutions provider

4

Choosing the right
evacuation system



6

MES solutions

7

MES supply
process



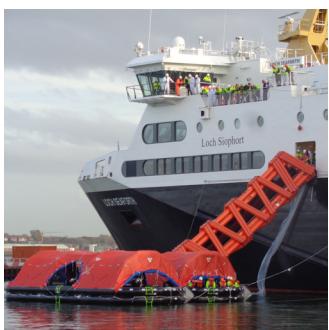
8

Marin Ark 2



9

Easyscape
Slide



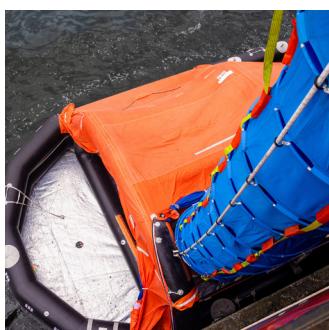
10

Superslide



11

Brude Chute



Evacuation
Slide System

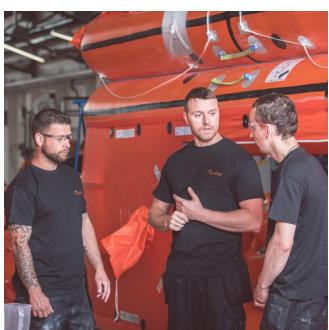


12

Brude Slide



Training



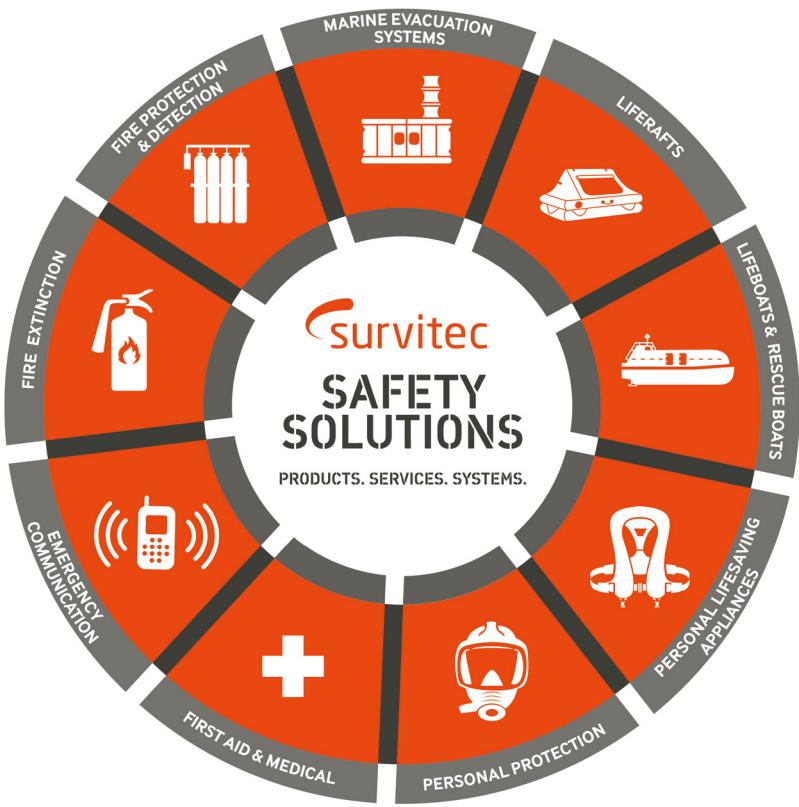
TRUSTED TO PROTECT LIVES

Survival. Technology.

We are pioneers of Survival Technology that keeps you safe when your life depends on it. Our survival craft technology, wearable survival equipment and fire solutions are supported by our community of 3,000 experts across 96 countries.

We partner with our stakeholders to provide trustworthy solutions that reduce risk and help save lives.

Why? Because We Exist To Protect Lives



→ 410 accredited service stations → More than 3,000 team members

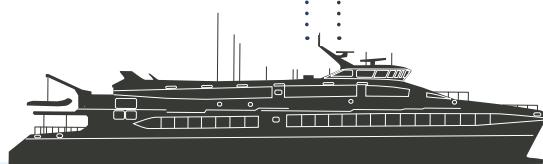
→ Covering 2,000 ports worldwide → 8 Manufacturing facilities



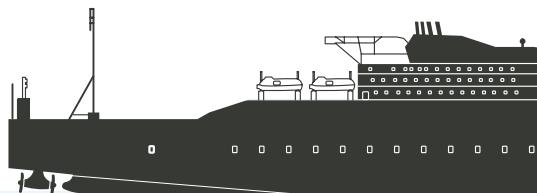
CHOOSING THE RIGHT MARINE EVACUATION SYSTEM

Each installation of a Marine Evacuation System (MES) is custom-made to suit your passenger vessel requirements. Considerations include vessel weight, type, evacuation height and number of passengers. MES options are available to suit your specific requirements for a range of passenger vessels, from small boats, catamarans and ferries to larger passenger ships and cruise ships.

LOW-PAX



MEDIUM-PAX



Survitec Zodiac Evacuation Slide System (ESS)



1.5 - 3.8m



up to 151 persons

Brude MES Slide



1.5 - 3m



up to 450 persons

Superslide



3.8 - 12.5m

Easyscape Slide



1.5 - 3.8m



up to 400 persons

Brude MES Chute



26m

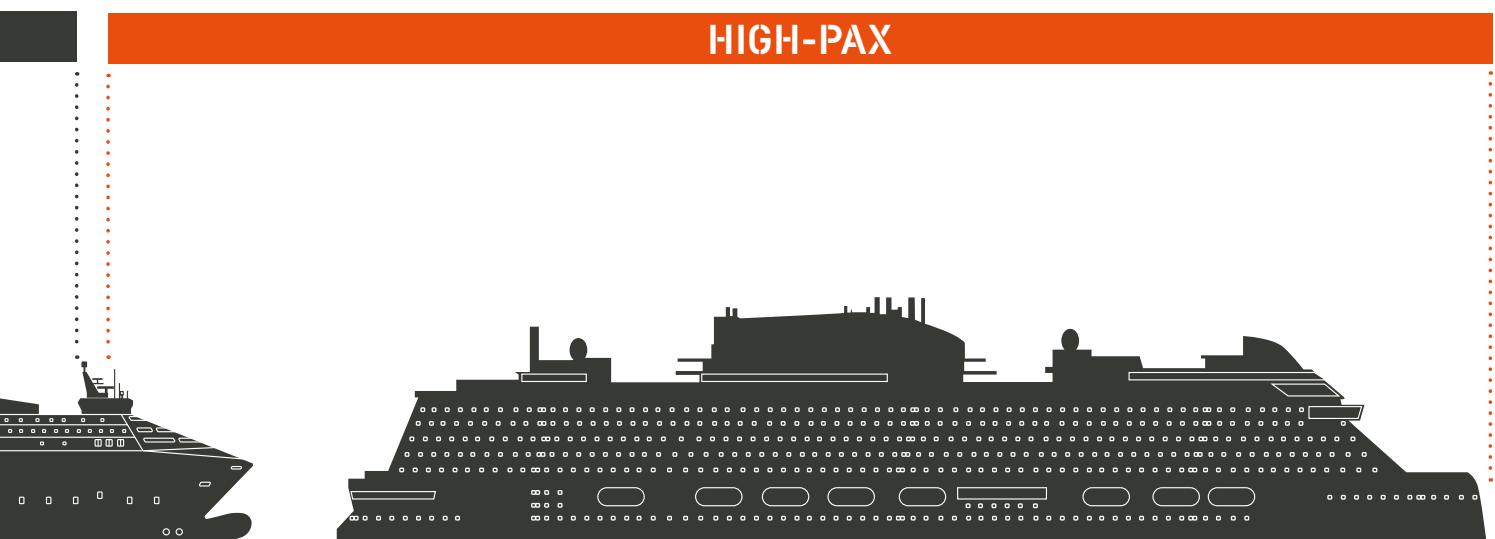


Single up to 450 persons
Twin up to 600 persons

Life Ark

MES SYSTEM	BEST SUITED FOR	ADVANTAGES	APPROVALS
Marin Ark 2	Large vessels with high freeboard decks, ferries, naval vessels and world-leading ships in the cruise industry	High degree of functionality - twin chutes with fewer liferafts, requires minimal crew to activate and can deploy from up to 23.5 metres	SOLAS, EC/MED, TC
Life Ark	Ropax ferries and smaller cruise ships	Can deploy from heights up to 23 meters and offers quick evacuation for your passengers and crew within 30 minutes. Extended 30 month service option available	SOLAS A & B, MED, USCG
Superslide	Medium ferries, small cruise ships and high speed vessels such as catamarans and ferries	Lightweight MES with a small deck footprint. Can deploy from freeboard heights up to 12.5 metres	SOLAS, MED, USCG, TC and Red Ensign
Easyscape Slide	Small ferries and high speed vessels such as catamarans and ferries	Lightweight system with a separate slide and liferaft that can be deployed from up to 3.8 metres	SOLAS, MED, USCG, TC and Red Ensign
SurvitecZodiac Evacuation Slide System (ESS)	Small ferries and high speed vessels such as catamarans and ferries	Lightweight fully automatic system that can be deployed from up to 3.8 metres	SOLAS, MED, USCG, TC and Red Ensign
Brude MES Slide	HSC and ferries	Cost efficient solution with minimal crew requirement	SOLAS A & B, MED, USCG
Brude MES Chute	Ropax ferries & Custom ferries	High Configuration flexibility Cost efficient solution with minimal crew requirement	SOLAS A & B, MED, USCG

HIGH-PAX



Marin Ark2

8 – 23.5m  up to 860 persons

 up to 750 persons

8 – 23m  up to 600 persons

MES SOLUTIONS

Leading the Way in Safety and Survival Solutions

You can trust our reputation as a global safety and survival solutions leader. Our solutions epitomise our commitment to quality, safety, and value. For over 40 years, we have upheld our position as the primary authority in MES design, continually advancing this crucial lifesaving technology for your peace of mind.

With over 2,000 MES units installed worldwide and a growing list of satisfied clients, we consistently demonstrate our leadership in providing reliable and trusted MES solutions for your needs.



Our MES solutions are the first choice for the world's leading cruise and ferry operators, selected for their superior levels of reliability.

This reputation has been built up over many years by leading the way in innovation and offering unparalleled levels of safety. All our systems are robustly tested, exceptionally rugged, compliant with the latest approval standards, and, most importantly, offer superior levels of reliability and increased confidence.

We pride ourselves on our superior design, innovation, expertise, consistent reliability, and commitment to delivering real value to our customers.

Trusted to protect the cruise industry with MES technology since 1979

We are a company built on many world firsts and continuous innovation. Survitec's roots trace back over 160+ years with 2020 marking 100 years since the introduction of inflatable Survival Technology. In 1979, RFD, our original Survitec company introduced the marine evacuation system to the world. Since then, we have been pioneering the way in MES and evolving Advanced Evacuation Systems (AES) to offer a portfolio of innovative, safe and reliable solutions.



MES SUPPLY PROCESS

Our extensive range of services will ensure you are fully supported throughout the supply process. Services include full consultation and technical services, provision of onboard solutions, all supporting technical documentation for class & flag approval, and regulatory compliance.

Our service will vary from customer to customer to ensure we cater to your bespoke individual needs. However, a typical supply would include the following stages as detailed below:

- Following a quotation request, our experienced MES team members would gather all the technical information required for the project.
- A structured proposal would then be prepared, which would include the following:



Conceptual arrangement drawing of the MES



Scope of supply and price, to include Commercial Conditions



Technical documentation of the supplied equipment

- Upon receipt of the order, one of our engineers will prepare and issue an initial general arrangement drawing with full details of the equipment and their proposed position
- The documents will then be sent to you for approval before the commencement of the equipment production and supply
- Once complete, we would then look to move on with the delivery and commissioning phase
- The delivery and commissioning phase will consist of all or some of the following depending on your requirements:



Installing the MES onboard the vessel



Performing a harbour trial deployment



Briefing of the crew members



Re-packing and reinstalling the deployed equipment





MARIN ARK 2

23.5 metres  Up to 860 persons



BENEFITS

- ✓ Autonomous features allowing easy deployment and reduced crew actions, which is helpful in high-stress situations
- ✓ All primary liferafts inflate & both helical slide paths launch together in a single action
- ✓ The dual helical slide ensures safe, rapid, and controlled dry-shod descent for all, without size or age limitations
- ✓ A swift, rapid and safe evacuation process ensures your passengers get off the ship quickly
- ✓ Compact and space-efficient for easy storage while remaining readily accessible
- ✓ Flexible design allows for installation on the widest range of vessel configurations
- ✓ Revolutionary bowsing system and evacuation slide path designed to meet the challenges of modern wide beam vessels

AUTONOMOUS SAFETY FEATURES STREAMLINE CREW ACTIONS AND LOW CREW BOARDING

Our Marin Ark 2 is one of the world's largest dry-shod Marine Evacuation Systems (MES).

Its unique design accommodates the evacuation of 158 passengers, with scalability to serve up to 860 passengers if needed.

The Marin Ark 2 features simple crew operations and a robust, fully reversible liferaft equipped with multiple buoyancy compartments, ensuring safety and reliability, even in the toughest sea conditions.

The innovative helical slide path combines the advantages of a fully enclosed chute with the smooth descent of a spiral slide. Crew members can even ascend the slide to assist other passengers, ensuring maximum safety during evacuation.

A standout feature of the system is its integrated service winch within the stowage unit, enabling easy transfer onto a tug or truck for maintenance, often eliminating the need for a crane during service.

■ Rapid and safe evacuation of up to 860 passengers in less than 30 minutes ■



EASYSCAPE SLIDE

3.8
metres

Up to 400
persons



BENEFITS

- ✓ Fast and safe evacuation of passengers and crew from your passenger vessel
- ✓ Quick and easy for your crew to deploy in emergency situations
- ✓ Lightweight and compact design has minimal impact on your vessel's deck space
- ✓ Conveniently stored near evacuation points
- ✓ Inflatable structure offers a cushioned and controlled descent to the liferaft
- ✓ No restrictions and safe for all ages, sizes, and abilities
- ✓ A versatile and efficient solution for vessels

EVACUATION SLIDE FOR LOW FREEBOARD VESSELS

The Easyscape Slide systems, formally known as the Small Inflatable Slide systems (SIS), are designed for low freeboard vessels. Easyscape Slides and throwover liferafts, or open reversible inflatable liferafts (ORILs), are stored near evacuation points. The liferafts are launched remotely, inflated and browsed into position using a simple bowsing lines system. The Easyscape Slide is then positioned and inflated for easy of evacuation.

Easyscape Slide Systems are available between 1.5 and 3.8 metres in a range of five slides with a maximum freeboard of 3.8 metres.

“These low free board solutions are ideally suited for swift evacuation of vessels with speed and efficiency”



SUPER SLIDE

12.5
metres

Up to 750
persons



BENEFITS

- ✓ A compact and lightweight design which takes up minimal space onboard your vessel
- ✓ Fast to deploy, which provides a quick and efficient evacuation for your crew and passengers
- ✓ The inclined slide is a natural and intuitive decent with no restrictions, with family groups in full sight of each other
- ✓ The electric local and remote bridge release system requires minimum crew interactions
- ✓ Crafted with the highest quality materials and built to withstand the toughest marine conditions
- ✓ System deploys perpendicular to the vessel, making for a compact deployed arrangement
- ✓ Available with open reversible liferafts or a throw-over SOLAS self-righting liferafts
- ✓ Simple and quick to install and re-install after servicing

INCLINED HIGH CAPACITY MES, LIGHTWEIGHT WITH A VERSATILE AND SMALL DECK FOOT PRINT

The Superslide, formerly known as the Medium Inflatable Slide (MIS), is for vessels with freeboard heights of up to 12.5 metres and incorporates a twin-track inflatable slide that deploys at right angles to the ships' sides. This system is packed with the 100/150 person throw over or throw over self righting canopied liferaft.

When supplied with a 100 Open Reversible liferaft, a second liferaft can be packed into the container so that when inflated and bowed, it is immediately available for boarding. A second liferaft can be available for bowing outboard of the receiving liferaft. Superslide is available 4.8 metres to 12.5 metres in a range of five slides.

“ Quick and efficient to deploy, even in extreme marine conditions ”



LIFE ARK

23
metres

Up to 600
persons



BENEFITS

- ✓ Helical slide ensures descent is safe, rapid, and intuitive
- ✓ No restrictions and safe for all ages, sizes, and abilities
- ✓ Available with double helical slide for rapid evacuation and redundancy
- ✓ Available in a variety of SOLAS and non-SOLAS approved liferaft options to suit your needs
- ✓ Flexible design allows for installation on a wide range of configurations
- ✓ Reduced crew actions, rapid and hassle-free deployment
- ✓ Service support available on your regular trading routes through our global network
- ✓ Approved for all passenger ferries and cruise vessels

EFFICIENT, FLEXIBLE, COST-EFFECTIVE AND EASY TO USE AT HEIGHTS UP TO 23 METRES

In the event of an emergency on board your vessel, your passengers and crew need to be able to disembark safely in less than 30 minutes.

Discover our advanced Marine Evacuation System (MES) with unique helical slide-based technology. Technology trusted by global cruise operators to protect passengers and crew for over 20 years. Now available for ropax ferries and small cruise ships.

Life Ark has been developed for vessels with passenger capacities ranging from 300 to 1,500 with a maximum freeboard height of 23 metres. Designed with passenger experience in mind, ensuring a safe, rapid and intuitive descent for all ages and abilities with no restrictions on passenger size. Crew can also ascend the slide to assist passengers if necessary.

“A reliable and flexible solution ensuring passenger safety”



EVACUATION SLIDE SYSTEM (ESS)

3.8
metres

Up to 151
persons



BENEFITS

- ✓ Fully automatic minimising crew actions for a rapid and hassle-free deployment
- ✓ Simple to use electronic release button situated locally at the station or remote on the vessel bridge
- ✓ Compact emergency evacuation system for vessels with free board heights from 1.5 to 3.8m
- ✓ Fast and safe evacuation of crew and passengers comfortably via inclined slide
- ✓ Evacuation slide and liferaft stowed in a slimline space-saving cassette, taking up minimal space onboard your vessel
- ✓ Centralised bowsing line system allows for reduced side shell hot works
- ✓ No restrictions and safe for all ages, sizes, and abilities

A FULLY AUTOMATED SYSTEM FOR LOW FREEBOARD VESSELS

The automatic deployment of slide and liferaft simultaneously allows your crew members to focus on assisting and marshalling passengers. Quick and easy to use, the patented, automatic system is fully deployed in approximately one minute.

A simple-to-use electronic release button situated either on the vessel bridge or at a remote control point is used to deploy the system. Once activated, a central bowsing line system removes the need for manual bowsing. This automatic system is fully deployed in approximately one minute.

“This system can be released at the bridge or by pressing a button at the evacuation point”



BRUDE CHUTE

26 metres

Single
Up to 450
persons

Twin
Up to 600
persons

BENEFITS

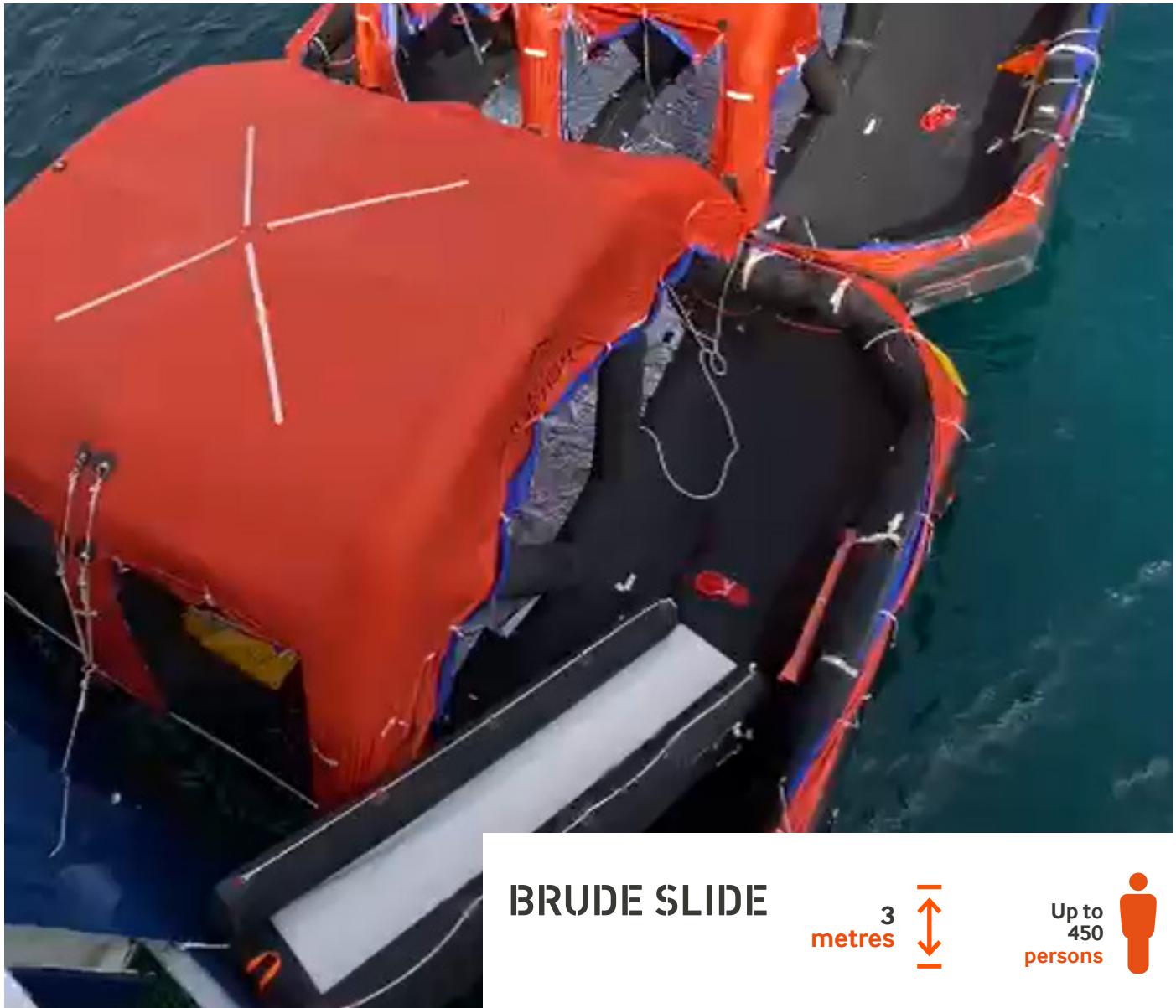
- ✓ Modular MES configuration which allows for large flexibility in installations
- ✓ Cost-efficient and standardised solution for installation
- ✓ Low onboard maintenance requirements during service life
- ✓ Minimal crew requirement provides practicality in emergency scenarios
- ✓ Both annual and extended service interval options are available
- ✓ Single or double chutes with no restrictions regarding size/weight of evacuees, also the ability to climb up the chute onboard again
- ✓ Solas liferafts, A and B-packs, annual or extended service interval options available
- ✓ Standardised deployment procedures simplify training and lower operational costs

SIMPLE AND FLEXIBLE SOLUTION FOR FAST EVACUATION

The Brude MES Chute is highly modular approved with up to 26m freeboard, and raft scalability of up to 600 people. There are various mooring types, remote release systems and bowsing systems that ensure that the Brude MES is configurable and suitable for retrofit as necessary. These options vary from 100% manual to semi automatic solutions, all with simple crew action requirements.

Available features also include E-learning for crew operators and onsite courses for crew instructors with SOLAS adhering certification of 3 years.

“A simple and flexible solution for fast evacuation”



BRUDE SLIDE

3
metres

Up to
450
persons

BENEFITS

- ✓ Modular MES configuration which allows for large flexibility in installations
- ✓ Cost-efficient and standardised solution for installation
- ✓ Low onboard maintenance requirements during service life
- ✓ Minimal crew requirement, providing practicality in emergency scenarios
- ✓ Solas liferafts, A- and B-packs, annual or extended service interval options available
- ✓ Standardised deployment procedures across Brude MES solutions simplify training and lower operational costs

EFFICIENT, MANUAL, COST-EFFECTIVE AND EASY TO USE AT HEIGHTS UP TO 3 METRES

Best suited for small ferries, the Brude MES Slide is designed as a cost-efficient alternative system, offering a modular approach to evacuation with an approved freeboard from 1.5- 3 meters.

It provides scalable life raft capacity for up to 450 individuals and includes versatile mooring options, remote release mechanisms, and bowsing systems to accommodate various operational requirements. The Brude MES Slide is built for straightforward crew handling. With scope to rely entirely on manual operation for dependable performance. Alternatively, the solution can be installed with an electrical winch for semi-automatic mooring.

■ ■ **A reliable and adaptable solution for swift evacuation** ■ ■

MES CREW TRAINING



Purchasing your safety equipment is only the start of your relationship with us.

Not only will we equip your vessel with the very best marine safety equipment, but we will also ensure that should you unexpectedly have to use your safety equipment in an emergency, you and your crew know exactly what to do. In support of this mission, we provide our customers with Crew Training on our MES product ranges.

Training regulations

Our Crew Training is conducted as per the SOLAS requirement, which is defined as follows:

SOLAS CH III Regulation 19.3.3.8 If a ship is fitted with MES, drills shall include exercising the procedures required for the deployment of such a system up to the point immediately preceding actual deployment of the system. This aspect of drills should be augmented by regular instruction using the onboard training aids required according to 35.4. Additionally, every system party member shall, as far as practicable, be further trained by participation in a full deployment of a similar system into water, either onboard a ship or ashore, at intervals of no longer than two years, but in no case longer than three years. This training can be associated with deployments required by regulation.

What's involved

We aim to provide MES Crew Training that is as practical as possible so that, should the worst happen, you are as familiar with the safety equipment onboard your vessel as you can be. A typical MES Crew Training day would start with a small amount of classroom work followed by several practical exercises, including:

- ✓ MES operating sequence, deployment and evacuation cycle
- ✓ Emergency equipment familiarisation
- ✓ Pyrotechnics and electronics
- ✓ Liferaft familiarisation
- ✓ Passenger safety management
- ✓ Lifejacket donning
- ✓ Participant descent
- ✓ Stretcher descent
- ✓ Carry techniques
- ✓ Crisis control
- ✓ System abandonment

We run our training sessions with a maximum of 36 participants per session, a minimum of 20 participants are required to run the training session.

WHY CHOOSE SURVITEC

- ✓ We've been providing MES systems training to passenger crews since 2003
- ✓ We are the chosen training provider for the world's largest passenger ferry company
- ✓ Our Chief Technical Trainers have worked with over 5,000 crew worldwide and bring with them a wealth of experience
- ✓ Our fully equipped training facilities give your crew practical, hands-on experience
- ✓ We have a 100% customer satisfaction rate
- ✓ Our MES training service is available at multiple locations globally to suit customer demand

Certification

On successful completion of the MES Crew Training course, each crew member will be awarded a training certificate to help note and record their successful completion of this training course.





GET IN TOUCH

Email: info@survitecgroup.com
www.survitecgroup.com

Copyright Notice

The copyright, trademarks, domain names and other intellectual property rights in all material and information in this presentation belongs to Survitec Group Limited. All rights are reserved.

Disclaimer

This document provides general information about Survitec and its companies, its products and services, and summarises general capabilities and offerings which we deem to be of relevance to our customers. Whilst Survitec has taken appropriate steps to ensure the accuracy of the information contained in this document, Survitec gives no warranty regarding the accuracy or completeness of such information.

This presentation was prepared to provide information and does not constitute a contract. Survitec reserves the right, without prior notice, to change, delete, supplement, or otherwise amend at any time the information, images, and offerings contained in this presentation, or other documents. Survitec shall not be liable for any loss or damage of whatever nature (whether direct, indirect, consequential or other) that may arise as a result of any third party relying on the information contained in this document (but nothing in this disclaimer excludes liability for death or personal injury arising from negligence or any fraudulent misrepresentation).

For further detailed information, prices, terms and conditions, customers should contact Survitec at info@survitecgroup.com