



FSE SAFE

◆ FEATURES ◆

- ◆ Marine Rescue And Safety Equipment
- ◆ Explosion Proof Products : Hazardous Areas and Confined Spaces
- ◆ Safety Signs – Pipe Marking and Labeling
- ◆ Working at Heights Safety - Fall Protection – Slips - Trips - Falls

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FSE SAFE PROJECTS PTE LTD



FSE Safe Projects Pte Ltd is a **Global Trading Enterprise.**

Standard high quality, high performance and highest safety standards that is us at FSE Safe Projects Pte Ltd

Industries served : Oil & Gas, Petrochemicals & Refineries, Marine Ships, Vessels, Tankers, Power & Energy, Chemical & Pharma, Water & Waste management, Mining & Construction, Engineering & Manufacturing.

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Man Over Board

Man overboard (MOB) incidents are among the top causes of injuries and fatalities. A man overboard situation can happen on any vessel in any part of the world. FSE SAFE specialize in Man Overboard Rescue Safety equipment. Our products come with high quality and highest standard of safety. Longer lifespan resulting in more cost-savings as well.

- ◆ **MRT PLB's - Lifesaving Personal Alerting Device** In case of MOB incident, the casualty's Personal locating Beacon (PLB) activates sending distress signals to nearby potential rescuers and vessels. Also send GPS location tracking information.
- ◆ **Rescue Cradle Frames for manual rescue and recovery of MOB** casualty onto rescue boat, FRC or vessel. Installed on smaller vessels and Rescue crafts for vertical as well as horizontal gentle rescue of MOB casualty. Used by Coast-guards, Navy-Defence, Fast Rescue Crafts, Oil&Gas, Offshore Renewables, Maritime industry. Suitable for Freeboard heights of 0.5m to 4.0m
- ◆ **Rescue Scoop - Power assisted method of recovery** of Man Overboard Casualties onboard vessel. These rescue scoop nets are operated using the deck crane. Rescue Scoop meets the relevant class and flag requirements for use on Standby Vessels. Complying with regulations for Standby / Rescue vessels. Regulation bodies including DNV, GL, ABS, NMD Norway, UKOOA, NOGEP, Transport Canada.
- ◆ **Dacon Rescue Dummy. Most realistic and durable Marine Rescue Dummy** in market. Adjustable weight min 22kgs (empty) to max 85 kgs (fully filled with water). Extremely robust design and replaceable PVC coverall. 7 x Drop Tested from 55m height from offshore platform overboard, the only damage done were minor ones to the coverall of the dummy.
- ◆ **Rigid Scrambling Net**
FSE Rigid Scrambling Nets are more Rigid, Robust, Non-Slip Climbing and high grip surface compared to the rope type scrambling nets. FSE Rigid scrambling nets comply to various **Class regulation requirements** including: DNV, RINA, GL, ABS, BV, NMD Norway, UKOOA, NOGEP, Transport Canada.
- ◆ **Reach and Rescue Pole and Attachments**
Oil & Gas offshore and Marine Vessel - Man Overboard Rescue Poles
Offshore Rig Moon Pool Rescue Pole Kit - Rescue Pole kit for Emergency and Rescue Services.

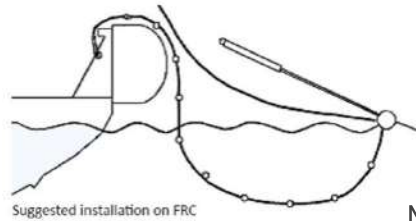
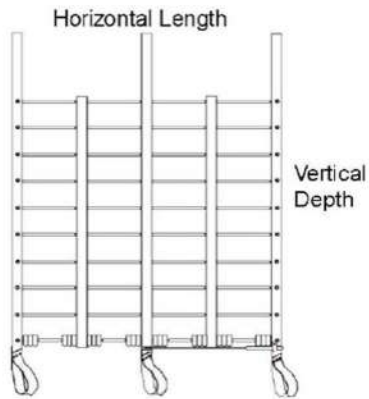
The purpose of a Classification Societies is to provide classification and statutory services and assistance to the maritime industry and regulatory bodies as regards maritime safety and pollution prevention, based on the accumulation of maritime knowledge and technology.



Rescue Cradle Frame

Man Overboard Manual Rescue Recovery Equipment

Rescue Cradle Frame (Manual lifting) are Horizontal recovery systems for Man Overboard (MOB) casualties, installed on mainly FRCs and Life Boats / Rescue Boats. When deployed, the Rescue Frame hangs down, forming a cradle in the water. Position on the casualty in the cradle and gently bring on board by pulling the rescue frame or the retrieval lines. The Rescue Frame is available in sizes to fit freeboards from 0.5 meter - 4 meters.



INSTALLATION

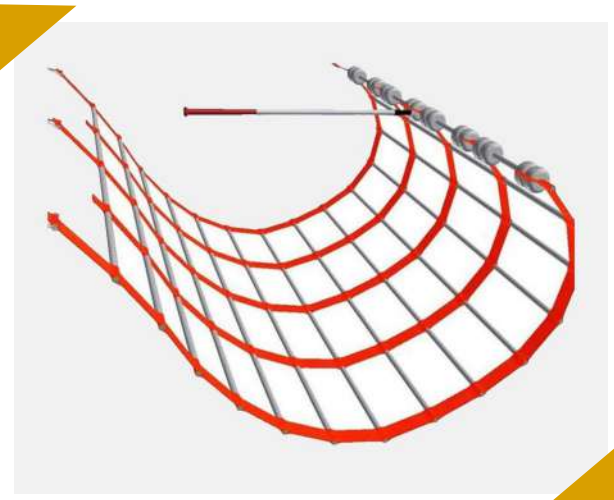
- Adjustable length installation straps
- Easily installed with i.e. carabine hooks or similar

MATERIALS

- Rods: Fiberglass
- Webbing: Polyester
- Fittings: Stainless steel
- Rope: Polyester

OUR USP :

- We provide larger length cradle frames, to have optimum scoop formed on deployment for easy and safety guiding of MOB casualty on the frame.
- We provide larger widths to ensure maximum support to casualty body during horizontal recovery
- Doubles up as a rigid scrambling net for vertical self climb recovery onboard
- Even with the larger length and width of cradle frame, our frames are less heavier and roll up less bulkier than others. Compact roll up in stowage.
- 100% maintenance free. 5 Years manufacturer guarantee. Customer feedback of 10 years + and still great condition and operation. Long lifespan economic benefits ++



FEATURES

- Easy to use. Quick - Safe - Effective retrieval
- Gental and Horizontal rescue. Alternates as Scrambling Net
- Rolls up for Minimum Stowage Space - Ready for immediate Use
- Robust design and long life expectancy. No mandatory Service required.
- DNV TEC certified. Compliant to Solas and Subchapter M requirements

APPLICATIONS:

Standby Vessels | FRCs | Lifeboats | Rescue Crafts | Smaller Crafts |
Tug and Workboats | SAR Boats | Navy | Rescue Organisations |
Offshore support vessels | Marine Training Academy | Coastguard | Port Authority |

Rescue Scoop

(Power-assisted method of careful recovery of disabled persons from the sea)

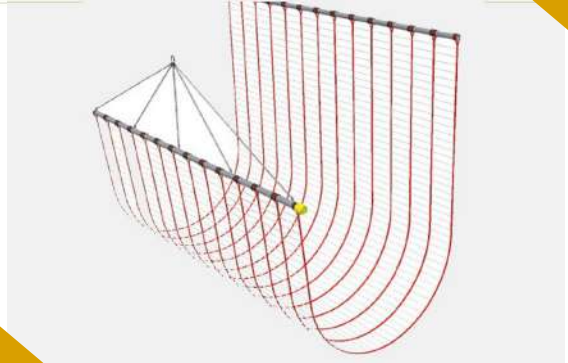
Rescue Scoop Crane Operated Recovery System for Standby-and Supply vessels, Coast Guard cutters, Pilot vessels, Tugs and utility vessels.

Complying with regulations for Standby / Rescue vessels:

Regulation bodies including DNV, GL, ABS, NMD Norway, UKOOA, NOGEP, Transport Canada.

The Rescue Scoop is a power-assisted method of recovery for retrieving casualties from the water directly onboard larger rescue vessels.

The Dacon Rescue Scoop is a semi-rigid, manoeuvrable rescue net operated by a standard deck crane. The rescue net is used to recover distressed persons from the water when weather or other factors make it difficult or too risky to launch a rescue craft. The Dacon Rescue Scoop will successfully recover a person from the water, without putting other crew at risk. Further on, the power-assisted method of recovery will retrieve a person in a horizontal position with full body support to avoid further injury or shock, which is a very important factor to emphasize.



Features:

Large deck crane operated rescue net. Excels in hazardous weather.

Horizontal recovery of casualties - Gentle and effective retrieval

Rescue Outreach for Offshore vessels upto 4-6 meters, Utility vessels upto 2-4 meters

Robust design and long-life expectancy 15-20 years, 5 years manufacturer's guarantee

Typical Applications :

ERRV / Standby / SAR Cutters | Navy Ships | Crew Transfers / Small Ferries | Offshore wind / Offshore support | Tug and Workboats | Seismic Support | Pilot Vessels - Coast Guard Cutters



Some International Customers Reference:

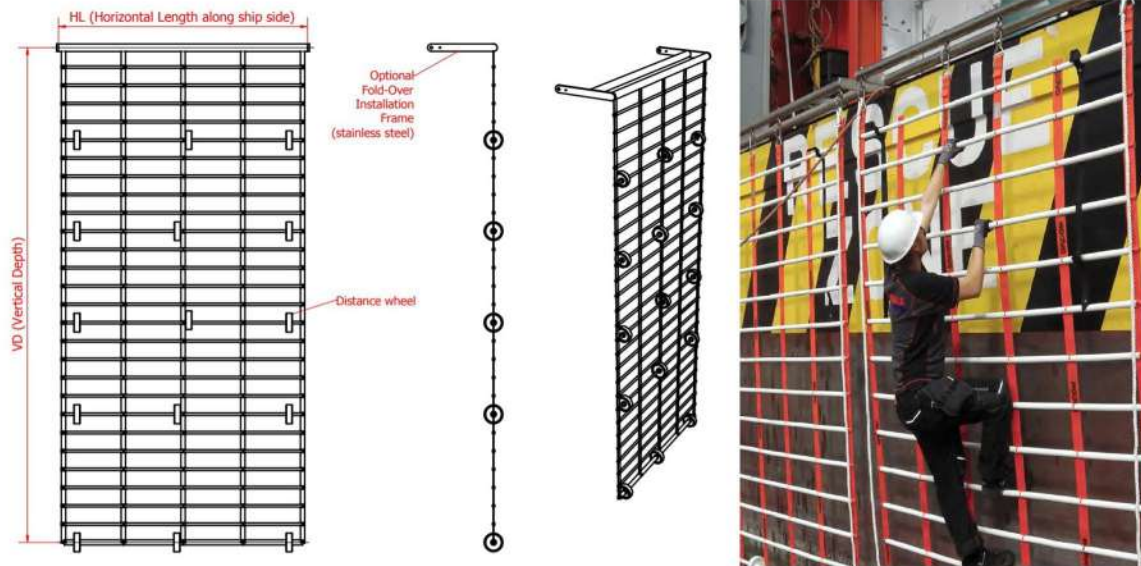


Rigid Scrambling Net

RIGID type Scrambling NET for Marine Vessel - Non Slip Grip !

Rigid rungs combined with heavy duty webbing makes the climbing net significantly easier to climb.
More Stable - Non-Slip Climbing - Grip Surface
Compared to more Traditional Rope Scrambling Nets !

Rigid scrambling nets comply to various Class regulation requirements including:
DNV, RINA, GL, ABS, BV, NMD Norway, UKOOA, NOGEPa, Transport Canada.



Our Rigid Scrambling Net complies with UKOOA guidelines and other classification society notations for Standby vessels.

Product Description :

Steps: Fiberglass rods with fixed, profiled non-slip sleeves

- Vertical slotted webbing with 5 MT tensile strength
- Lead weights incorporated internally in lower step for stability in water
- Distance rollers fitted along the lower step & spaced as required keeping distance to the hull for easy handgrip and foothold
- Lifting ropes on each side of net for assisted recovery
- Optional SS steel foldout installation frame supports Net at 250 mm off the ship's side.
- Equipped with safety carabine hooks for quick installation, but may also be stowed right in the rescue zone permanently



USP :

- Very well built – durable and rigid Nets
- Compliance to regulations: Non-Slip Grip - Corrosion resistant and Rigid than traditional nets
- Enables conscious casualty to climb onboard unassisted in safe manner

Typical Applications: ERRV / Standby Vessels | Navy Ships | Offshore Support | SAR Cutters | Offshore Wind Vessels |

Rescue Dummy for Training

Our Rescue Dummy is especially suited for evacuation - and recovery drills as it, unlike most makeshift dummies, will float and drift in the water as well as handle with very similar characteristics as a person.



Realistic Training Dummy or Manikin

Adjustable to float Horizontally or Vertically in water. Also suited for Helicopter rescue drills. Height 190cm/6.2 ft and weight adjustable 22kgs (full drained) to 85 kgs max (fully filled water)

Available with negative buoyancy for underwater training.

Extremely rugged - survives a drop from a platform's helicopter deck and other rough usage

Typical Applications :

Rescue drills with Rescue Cradle, Rescue Scoop, Rescue Basket, Helicopter Rescue, Water Rescue Training, MOB Training, SAR exercises - Evac and Rescue. Offshore platforms, Training Centres, Police Coastguards, Underwater SAR Training, Rescue organizations, Fire Depts, Diving Training and more.

Rescue Basket :

Stable and effective power- assisted method of recovery



Special Features

- Perfect for mass rescue situations.
- Probably the most durable and stable rescue basket on the market.
- Rugged aluminium construction.
- Soft padding for protection.
- Low floating position for easy entry.
- Quick- folding lifting mast for convenient stowage.

Typical Applications

- ERRV / Standby vessels
- Commercial vessels to meet Solas III-17-1 requirements.
- Offshore support.
- SAR Cutters.
- Navy ships

Personal Locator Beacons - PLB

LifeSaving Device - Giving Seafarers and Offshore workers peace of mind. Be Found if you Fall !

Automatic Activation when immersed in water, sending distress alert signal and GPS coordinates. Taking the SEARCH out of Search and Rescue !

- Be Found when you Fall
- Local area alerting technologies such as AIS, 121.5MHz & VHF DSC
- Automatic Alerts and Exact Position coordinates of MOB casualties
- Fast Identification and tracking of Multiple MOB casualties



A personal locator beacon, or PLB for short, is a personal electronic transmitting device that is designed to alert potential rescuers to a life-threatening situation in the air, on water or in remote areas. When activated, the PLB sends out a signal on either a 406MHz frequency or Local Area System using 121.5MHz, VHF DSC and/or AIS.

In simple terms, the way a PLB distress process works is as below:

1. A PLB is activated, and a distress signal is transmitted from a PLB/EPIRB/ELT.
2. The signal is received by the COSPAS SARSAT satellites.
3. The satellites send the signal to the nearest receiving stations on earth known as Local User Terminals (LUTs).
4. A Local User Terminal forwards the message to a Mission Control Centre (MCC).
5. When a signal is received and identified to be a distress call from a specific area, the Rescue Coordination Centre (RCC) in that area is alerted.
6. Local search authorities are informed of the location of the distress alert and travel to rescue the person in danger.

The process exactly will depend on the specific technologies and frequencies used by the beacon, however, the aim is always the same, to locate and rescue the person in danger, as quickly as possible.

INTEGRATED PLBs

The sMRT PLB range combines industry leading 121.5MHz, VHF DSC and AIS technologies. With True Water Activation sMRT PLBs activate on immersion in water sending a distress alert and your position as soon as you hit the water; whether your life jacket activates or not, whether you are unconscious, injured or incapacitated in any other way.

SAVE TIME
SAVE MONEY
SAVE LIVES.



SOLAS APPROVED LIFEJACKETS

The sMRT range of SOLAS life jackets have been specifically designed to be integrated with the sMRT Personal Locator Beacon (PLB) range, providing a complete man overboard safety solution.

IMMERSION SUITS

A SOLAS approved immersion suit will keep you dry and insulated. This essential piece of kit is proven to significantly increase survival time for man overboard casualties and provide you with added buoyancy until help arrives.

PLB models – AU10 | V100 | SHIELD |

The sMRT Personal Locator Beacon (PLB) range has been specifically designed to meet new international safety standards and combine industry leading 121.5MHz, VHF DSC and AIS technologies. Often used in addition to other MOB (Man Overboard) protection equipment such as life jackets (PFD) or immersion suits, PLBs are an essential item for works in the Oil & Gas, O shore and Marine industries.

What are the different alerting technologies?

There are varying methods of technologies and frequencies that PLBs use, these depend on the beacon as well the scenario that you may find yourself in. These are:

121.5MHz - (International Air Distress (IAD)). Only used in marine environments these PLB signals are received by dedicated and bespoke receiver units fitted to aircraft, vessels and the like.

VHF DSC – (Very High-Frequency Digital Selective Calling). Only used in marine environments these PLBs use the marine VHF radio band to transmit DSC distress alerts and updated GPS positions regularly from the casualty in the water to VHF DSC radios within a local area.

AIS – (Automatic Identification System) is an automated tracking system that displays other vessels in the vicinity. It is a broadcast transponder system that operates in the VHF mobile maritime band.

406MHz – These PLBs can be used in both marine and land environments and their signals are received by the COSPAS SARTSAT satellites, the international satellite system for search and rescue.



DUAL OPERATING AIS PERSONAL LOCATOR BEACON, ALERTING ON 121.5MHz

The sMRT AU10 is a dual operating AIS PLB alerting on 121.5MHz, while simultaneously transmitting GPS coordinates on AIS. Water activation will alert you of an incident within 2 – 5 seconds.

Available ATEX Zone 2 hazardous areas Oil & Gas sector



THE WORLD'S MOST ADVANCED ALERTING & TRACKING PERSONAL LOCATOR BEACON

The sMRT V100 transmits a distress alert and position update via a combination of AIS and VHF DSC in accordance with the latest international safety standards. Available in IECEx Approved Zone 1 Model for use in hazardous areas in the o shore oil & gas sector.



NEXT GENERATION 406MHz & AIS PLB WITH WATER ACTIVATION AND RLS

The sMRT Shield combines AIS and 406MHz technologies, into one, small and rugged device. Local area alerting AIS will automatically activate on immersion in water, and the 406MHz transmission can be manually activated singlehandedly ensuring worldwide detection.



Offshore Life Jackets (PFDs)

The sMRT range of SOLAS life jackets have been specifically designed to be integrated with the sMRT Personal Locator Beacon (PLB) range, providing a complete man overboard safety solution. Available with additional safety features, the sMRT SOLAS PFD Solution ensures maximum comfort and safety.



MANUFACTURED TO BE INTEGRATED WITH sMRT MOB PERSONAL LOCATOR BEACONS

The sMRT Wind 275N SOLAS PFD is manufactured to the highest specifications and approved to the latest SOLAS standards. It combines safety and comfort for constant wear and features an optional spray hood.



IDEAL FOR ANY TYPE OF WORK AROUND WATER, THIS JACKET COMES WITH A QUICK BURST ZIP

The newly developed sMRT Compact is a 150N ISO12402 approved inflatable life jacket which has been specifically designed for heavy duty use with a wipe clean PVC reinforced front cover.



EASY TO USE, AUTO ACTIVATION & MONITORS THE SAFETY OF YOUR CREW 24/7

The sMRT 275N / 150N PFD is manufactured to the highest specifications and approved to the latest SOLAS standards. It combines safety and comfort for constant wear and features an optional quick release front closure buckle, dual crotch strap and spray hood.

Base Units

Available in portable or fixed mounted units, the sMRT base station range includes 121.5MHz, VHF DSC and AIS receiving equipment to enable you to quickly alert, track and recover your crew in the event of a man overboard situation.



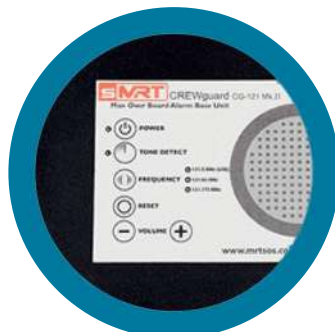
PORTABLE TRACKING DEVICE DESIGNED FOR FAST RESPONSE CRAFT - FRC'S .

Built in a robust and waterproof case, this pick up and go tracking solution uses VHF DSC and AIS with an additional option of a 121.5MHz direction finder.



COMPASSSTYLE LED DISPLAY MAKES IT EASIER TO CARRY OUT A SELFMANAGED RESCUE

The sMRT SARfinder monitors the emergency frequency 121.5MHz and provides an instant audible alarm and direction bearing when a distress signal is received from one of our compatible Personal Locator Beacons.



FEATURES AN AUTOMATIC ALARM & FLASHING LED MAN OVERBOARD -MOB WARNING

The sMRT CREWguard monitors the emergency frequency 121.5MHz and provides an instant audible alarm when a distress signal is received from one of our compatible Personal Locator Beacons.



Why Choose sMRT?

BESPOKE EQUIPMENT PURCHASE & RENTAL PLANS AVAILABLE

We are the offshore safety experts and with our range of life saving equipment, we can create a bespoke man overboard package that is based around you and your requirements.

Our Industries

SUPPORTING WORKERS AROUND THE WORLD IN EVERY OFFSHORE INDUSTRY

Our life-saving equipment is designed and built to withstand the toughest environments. We create customised solutions which mitigate the risk of a man overboard event, giving offshore workers the best chance of survival, should a MOB event occur.



OIL & GAS



OFFSHORE WIND



TUGS & PILOTS



HELICOPTER TRANSFER



AQUACULTURE



MARINE GEOPHYSICAL

COMMITTED TO SAFETY

We work closely with regulatory bodies around the world and are committed to raising the standard of safety at sea.

PREVIOUS CUSTOMERS INCLUDE :





Saving Valuable Time On Your Rescues

Accurately delivers a rescue system directly to the casualty Longest, most versatile rescue pole systems in the world
Improves operator safety every time Up to 17m reach !

Telescopic Reach Poles

USES AND APPLICATIONS

From water rescue to border control security, from animal rescue to working at heights, the uses and applications for the innovative and unique telescopic pole system are numerous and diverse.



WATER:
Human and Animal Rescue
Search and Surveillance
Vessel Support • Operator Safety



MUD:
Human and Animal Rescue
Operator Safety



ICE:
Human and Animal Rescue
Operator Safety



HEIGHT:
Operator Safety • Fall Arrest



SECURITY:
Search and Surveillance



ELECTRIC:
Safety



MARKETS SERVED

MARITIME AND OFFSHORE: Ports – Harbours – Marinas – Offshore – Search and Rescue – Safety at Heights
EMERGENCY SERVICES: Fire and Rescue Services – Ambulance – Animal Rescue – Civil Defense
SECURITY: Police Search – Border Control – Military Services

Reach and Rescue : Ultralite Poles.

Specifications:

Material: Carbon Fibre

Features: Strong quick release clamp , High Visibility End Section

To accurately deploy flotation devices or other tools. The telescopic poles have adjustable clamps. Each clamp releases the section above in a smooth action enabling fast extraction/retraction.

EXTENDABLE LENGTH 5 METERS



EXTENDABLE LENGTH 9 METERS



EXTENDABLE LENGTH 13 METERS



EXTENDABLE LENGTH 17 METERS



SPECIFICATIONS

Made in the UK by Reach & Rescue Limited

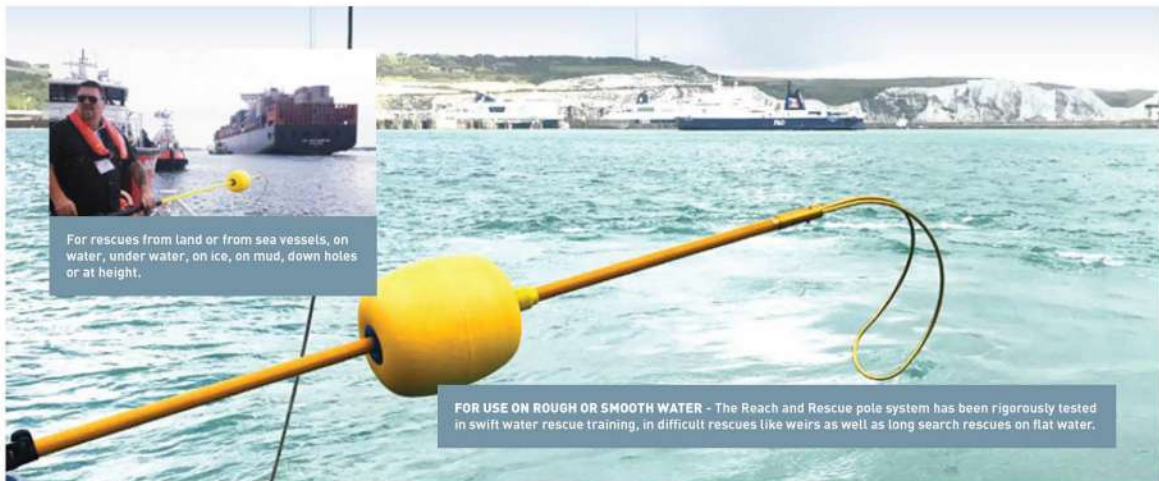
Pole Size	Material	Product Code	Collapses to (m)	Weight (kg)	Float required
5m / 18'	Ultra light Carbon Fibre	RRUP5	1.8	2.1	No
9m / 31'	Ultra light Carbon Fibre	RRUP9	2.1	3.1	Yes
13m / 45'	Ultra light Carbon Fibre	RRUP13	2.4	4.7	Yes
17m / 57'	Ultra light Carbon Fibre	RRUP17	2.6	5.2	Yes

- Four sizes available: 5m, 9m, 13m and 17m
- Precision engineered snap-on head assembly
- Carbon Fibre material
- Strong, quick-release adjustable clamp
- Fail-safe rope ensures pole remains intact
- One or two person operation
- Smooth action enables fast extension and retraction
- High visibility end section
- Stored in quick-release bag
- Extremely low-maintenance
- Buoyancy aid attachment

Attachments and Accessories for the Reach and Rescue Pole System



Our pole systems have multiple applications in maritime industries, offshore construction and projects involving oil and gas, drilling, wind power and so on. The Reach and Rescue Pole System is used by Hughes Sub-Surface Engineering Ltd's Emergency Response Teams, who provided rope and water rescue, as well as medical cover, for the construction phase of the Gwynt y Mor Offshore Wind Farm, the second largest operating offshore windfarm in the world. The Reach and Rescue Pole System allows rescue technicians to access out-of-reach anchor points fitted to the Wind Turbine Generator, which would otherwise require difficult and time-consuming climbing techniques to reach. If needed, the Reach and Rescue System can also be used to hook onto a casualty in a difficult access situation, which could reduce the time needed for and the complexity of a particular recovery.



Some popular attachments for Offshore and Marine Industry:

BOAT HOOK

The Boat Hook is used to push or pull boats towards or away from landings.

It is also used to pick up moorings.



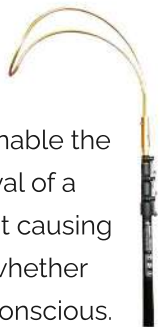
BODY FINDER SYSTEM

Using our Inspection Camera, in conjunction with our Sonar Search Frame, acts as an accurate, cost effective solution for identifying the presence of objects or bodies.



BODY HOOK

Not only does the Reach and Rescue Body Hook enable the quick and accurate retrieval of a casualty it does so without causing collateral injury to them, whether they are conscious or unconscious.



USES AND APPLICATIONS

The Body Hook is used for retrieving both conscious and unconscious bodies and injured persons away from water. The large hook means the casualty is not required to be proactive in their own rescue

CLAMPING FLOAT

The Clamping Float is the main flotation device for use with the Reach and Rescue Pole System. Its main function is to support the pole on the surface of the water. The Clamping Float can act as an individual body buoyancy aid.



THE CROOK

The Crook is a highly durable hooking tool and is designed based on the traditional 'shepherd crook', to enable easy hooking onto the casualty. The design and stainless steel material of this attachment makes it a highly durable hooking tool. It is safe and effective for human, animal and general retrieval.



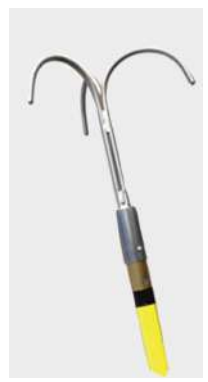
FLOATATION COLLAR

The Flotation Collar floats above water surface, thereby enabling easy and efficient reach to the casualty. This is a buoyancy aid designed to capture and tighten around a casualty. It can also be used to lift a human or animal up to a height, while providing a cushioned hold.



THE GRAPPLER

This attachment is particularly useful on irregularly shaped retrievals where maximum engagement is critical. The Grappler has proven extremely effective in the removal of flood debris and in boat line grasping.



THE PORTSAFE

Public Access Water Rescue System - Giving the public a simple to use device, enabling them to perform a rescue while waiting for emergency services to arrive, speeding up the rescue and saving lives. The pole is contained in a lockable box and stands at the waters edge similar to the traditional lifering. But unlike the lifering, it is secure and more accurate. The system can reach someone in distress in the water in as little as 20 seconds, and up to 17 metres. It is so easy to use that members of the public will be able to carry out the rescue. The systems rigid design enables the operator to direct and control the rescue rather than expecting someone who is in the water, cold, confused and terrified to swim towards a lifering. A contact number will be shown on the box for the public to call, to alert the emergency services and to gain access to the pole



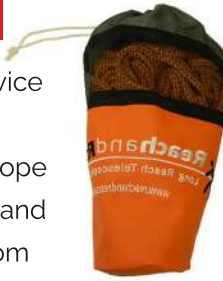
ROPE BLADE

For use where a rope or line needs to be severed. Also used to cut other materials, such as harnesses, strapping, fishing wire and netting.



THROW BAG

This rescue device comes with a standard 20m rope stuffed loosely and can be used from land, boat or any stable platform. It can also be supplied with a 25m or 30m rope.



WADING POLE

The Wading Pole is used as a depth and stability aid when wading through unknown terrain and deep waters. An ideal flood aid.



Offshore Pole Kit (Popular)

Offshore Pole Kit Includes:

- Pole / Clamping Float / Body Hook / Boat Hook / Line Hook / Flotation Collar / Kit Bag / Scaff Hook Carrago / Rescue Net / Pole Bag

Pole Kit Includes :

- Pole / Clamping Float / Crook / Body Hook / Pro Snare / Flotation Collar / Pole Bag / Kit Bag / Grappler / Scaff Hook Carrago



Other Applications for Reach and Rescue Poles and attachments :

Animal Rescue | Emergency Search at Heights or Water and Underwater | Police and Security | Fire Fighters | Height Safety | Electrical Rescue Safety |



Our Lifetime Product Guarantee promise ensures peace of mind

Safety starts with Stell

Maritime labelling



Safety equipment as well as escape and rescue routes on cruise ships, ferries, luxury yachts, oil rigs and in shipyards must be clearly and visibly labelled. IMO requirements stipulate that this labelling is obligatory so that, in case of emergency, orientation can be provided and lives can be saved.

High-quality materials and distinct industry knowledge in the fields of energy, chemicals, maritime, industry and fire protection ensure that the working environment is clear-cut and safe for personnel and employees.

All-in-One Packages

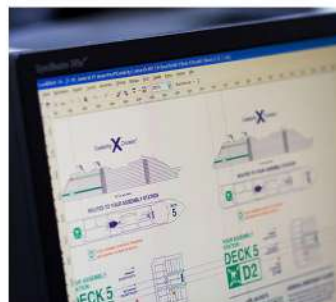
PROJECT PLANNING



PRODUCTION



INSTALLATION



DOCUMENTATION



Sectors Served

ENERGY



CHEMICAL



MARITIME



INDUSTRIAL



Our Products Are Systematically Installed

LuxoLED® EMERGENCY EXIT LIGHTS

Safe Guidance In Case of Emergency

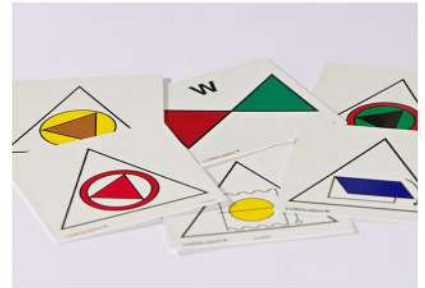
During emergency situations with sudden darkness or thick smoke, emergency exit lights guide people to the designated assembly stations and clearly direct one's attention to doors and direction within the escape route. Our LuxoLED® is ideally complemented by our Luxolight® photoluminescent signs.



SHIPBOARD SAFETY SIGNS

Labelling Must Be Internationally Recognisable

We provide comprehensible and uniform safety signs on ships. Our signs, the design of the symbols and their application for the labelling of escape routes, emergency equipment, rescue and fire protection signs and fire protection equipment at sea, are standardized in ISO 24409.



LOW LOCATION LIGHTING SYSTEM

The escape route must be safe and visible

Our wheelmark certified LLL system indicates the escape route for all individuals or groups so that they can follow the fastest and safest possible path to a protected area in the event of an emergency. The use of LLLsystems is mandatory by IMO Regulation as it is a proven choice with reliable functionality in spite of heavy smoke, power failure or similar



PIPE MARKING ACCORDING TO ISO 14726

Create a safe working environment and prevent confusion

The colour code can be supplemented by the flow direction indicator or arrow marks directly integrated in the design of the label. The self-adhesive foils are available as single-colour and multi-colour options and need to be selected depending on the respective operating content of the pipe.



POSTERS FOR EMERGENCY INSTRUCTIONS

Training aids regarding health and safety, environmental protection and security

Our posters for emergency instructions and information as well as crew and passenger training purposes contain vital safety information. The clearly illustrated instructions are essential for both the on-board system to safely conduct operations at sea and providing practical information about ship activity.



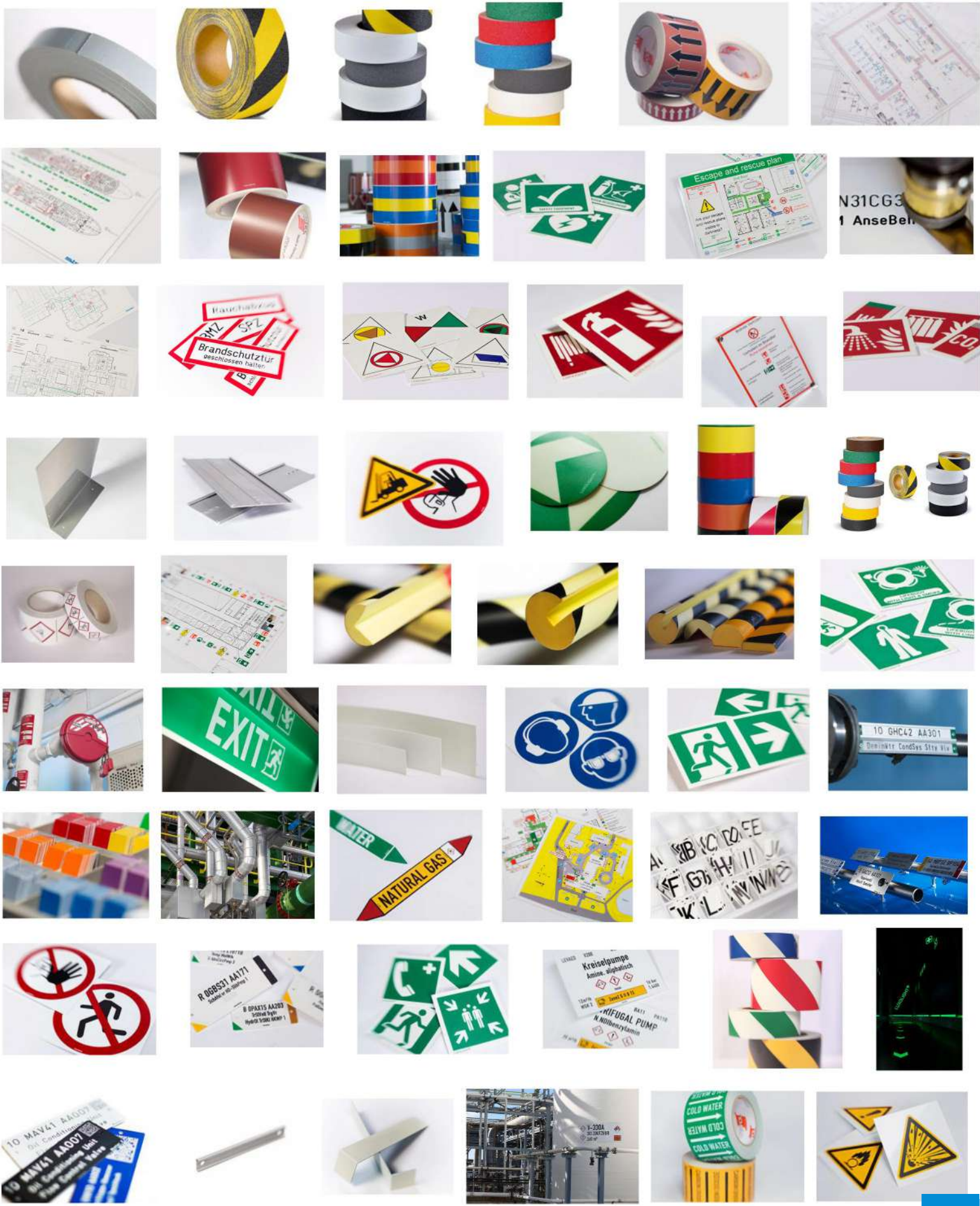
SHIPBOARD PLANS

Clear and safe orientation on board

An integral part of maritime labelling is information that's displayed on ships for passengers and crew. Our CAD department is particularly specialised in on-board safety plans for this reason. We create, deliver and assemble the necessary plans for you – all in compliance with all relevant laws, regulations, guidelines and standards.



Scope of Supply



STELL ... In A Nutshell

Clearest comprehension | Highest Safety

High quality materials combined with distinct industry knowledge and professional installation result in comprehensive labelling solutions. Made by Stell.

5 Focus Markets: Serving total 5 core markets with a whole range of different labelling solutions.



The All round Approach

Project Preparation | Product Assembly |
Installation | Documentation | Service

Addicted to Quality

- DIN membership in NASG / NSMT
- Chair of the ISO TC 145 / SC 2
- Safety certificates SCCP / VCA
- Quality certificates ISO 9001 / Wheelmark D
- IMO-certified products / Wheelmark B

Steady Development

Set New Standards | Specialization |
Innovative Quality Products | Reliable Service

Reference

- More than 500 power plants worldwide
- More than 5,000 satisfied customers
- Continuously present at the sites of
- Royal Dutch Shell
- Bayer
- Teijin Aramide
- Sabic-IP

stell Maritime Labelling



Some topics simply have to be discussed in person. Are you looking for a wholly unique solution ?
Do your requirements deviate from the standard ? Maybe you simply want to be advised by a competent specialist ?

Then There's No Need To Hesitate:

GET IN TOUCH

**WITH
OUR**

EXPERTS NOW !

Thomas Products Inc. USA

Premium Fibreglass Cabinets
 Heavy Duty | Highly Durable | Resistant to Harsh
 Conditions | Corrosion Resistant

Marine and Offshore



Personnel Transfer Basket

Marine Offshore Personnel Transfer Baskets are designed as crew carrier device used in offshore marine activities. It is mostly preferred choice for transferring personnel at offshore installation and oil rigs. A personnel transfer basket is the safest and fastest cost-effective safety device for moving a large number of people. Most preferred as the primary or secondary form of transferring crew. Transfers are between two vessels, whether it is ship to ship, ship to boat, or between tanker and a ship, etc. Standard Baskets available in 4 Persons | 6 Persons | 8 Persons



Ladders



Marine Gangways



Emergency Ladder



Escape Ladder



Embarkation Ladder

Port - Safety Ladder

Specialised and Innovative ladders for Ports, Marinas, Municipality, Wharves and more

Key Features:

- High Visibility
- Durable and High Quality and Safety
- Customized to any size easily
- Modular constructions makes it easy to replace damaged parts
- Ships compact on pallet



High End Cable Solutions for all Marine Applications

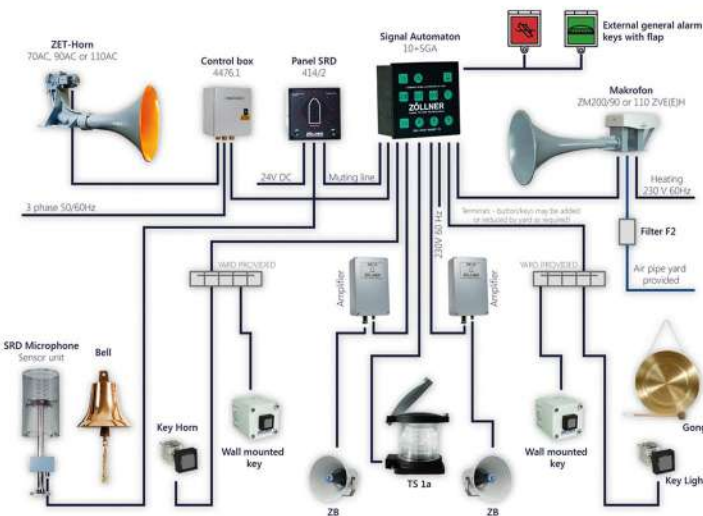
Efficiency, safety and cost reduction emphasize the importance of high quality shipboard cables. The right cables can reduce costs, improve safety, improve performance, and help respect the environment.



Control Cable | Data Cable | Cables for use in drag chains | VDE Approved Cables | Installation Cables and Single core | Compensating Cables and Heat resistant | Halogen Free Cables | Flat Cables and Lift Cables | Marine Cables | Fire Signal Cables | Power Cables | Rubber Cables | Sound and Lighting Cables | Custom made and Special Manufacturing Cables | Solar Cables

Zoellner

Sound | Horn | Automation | Radio Warning System | Zöllner Zet Horn | Signal Automation | Sound Reception |



Emergency Showers and Eye Wash Stations

Eye/Face Wash Fountains | Emergency Showers | Combined Emergency Shower and Eye/Face Washing Fountains | Top Tank Systems | Cabinet Systems | Frost Proof Systems | Mobile Systems | Eye Was Stations | Decontamination Systems | Disinfection Systems |



Donut Escape System

Emergency Escape - Controlled Decent Devices for Offshore - Onshore - Maritime - Ports - Construction

Personal Escape Device - Injured person on stretcher controlled decending device. In case of Emergency Escape requirement.



Explosion Proof

Raytec UK - Explosion Proof LED Lighting - ATEX Zone1 and Zone2



Linears | Bulk Heads | Flood Lights | Bay Lights | Crane Deck

ATEXOR Finland

Portable and Temporary Ex Lighting for Confined Spaces and Tankers



Linears Exit Light Floodlights Inspection Lights Transformers Cable Reels Cables

Adalit Spain

Premium Hand Held Ex Proof Rechargeable Hand Lamps and Torches Innovative and Specialised Features



Hand Lamps Swivel Helmet Attach

FSE Portable Rechargeable Ex Proof Flood Lights



Signaling Devices for Hazardous Areas



Portable Ex Ventilation Fans - Blowers / Exhausters



Linear Heat Detection Cables



Heavy Duty Bug Blower for Offshore Ex Proof



Helideck Lighting and Lighting Systems



Explosion Proof Axial Fans - Exhaust Fans



Explosion Proof

Explosion Proof Camera - Digital + Thermal Imaging



Ex Camera - Digital + Thermal Imaging

Including: 4 GB removable memory card, removable and rechargeable battery and charger dock, USB card reader, carry case.

Explosion Proof Zone1 or Zone2

Apple iPad and iPhones

Compliance with ATEX/EX regulations is achieved by modification of the casing together with the intrinsically safe electrical circuit. It is not the case of simply putting on external case on device.

These devices are also an excellent option for taking photos, videos and audio/video calling. You can self install sim-card to the cellular device options and c/w wifi connectivity.

C/w ATEX Certificate / IECEx Certificate for use in Hazardous Areas All devices COO - EU/ The Netherlands
All devices will come with 12 months on the electronics, water and drop damage is excluded.



Applications:

- Petro (chemical) Plants
- Offshore environments
- Ex Safe Camera
- Storage of hazardous goods
- Harsh Environments

Benefits

- Increased safety / Intrinsically Safe Design
- Water resistant / Slim design
- Latest models, ATEX Certified
- ATEX Zone 1 models
- ATEX Zone 2 models (zone 22 on request)

Working at Heights Safety

Fall Protection - Fall Block Arrest

SRL Self Retractable Lifeline and Recovery function

Freedom of movement and lowers user automatically due to its integrated Descent Brake after a fall. Unique Fall Arrestor and Descender combination.



Self Closing - Adjustable Size - Safety Gates

Key Features:

- Adjustable Size to cover 16" to 36"
- Adjustable Swing Direction
- Universal Mounting Kits included
- Lightweight Aluminium Construction - Rust Proof
- Compact Packing - 1 standard pallet packs 10
- Easy to Install



Gotcha Rescue Kit

Rescue Kit for Rescuers!
Gotcha Kit to rescue fallen and suspended co-worker when working at heights. Safety for casualty and rescuer



Features:

- No Cut Kit - No Knife Required
- For Use with Conscious or Unconscious Victims
- Casualty can be Raised or Lowered to the Nearest Point of Safety
- Pre-Assembled - Ready to Use Right Out of the Bag
- Remote Attachment - Casualty Can Be Attached from a Point of Safety
- Adjustable Pole for Remote Connection
- Colour Coded for Simplicity

Personnel Safety Nets – Fall Safety Net

Personnel safety netting has been designed and tested to provide protection to workers from falls up to 30 feet. This safety netting also could be used as a heavy-duty debris containment net when the polyethylene mesh is added.



Working at Heights Safety

Vertical LifeLine Systems

Ladder Fall Protection System
 Ladder safety system will usually consist of a carrier, safety sleeve, lanyard, connectors, and body harness. Detachable cable systems offer more safety than the usual ladder cages.



Horizontal Lifeline Systems

Horizontal lifeline systems are mounted on a series of single attachment points - some of which act as end brackets and others as intermediate supports. This type of fall protection system consists of a flexible stainless steel cable strung between at least two points



Safety Nettings

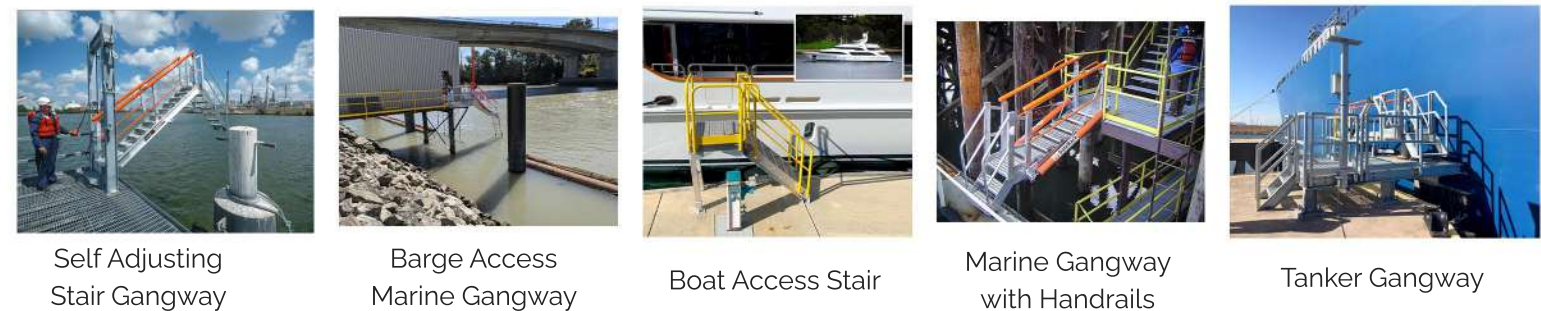
Helideck Perimeter Nets | Helideck Landing Nets | Gangway Nets | Perimeter Nets | Cargo Nets | Rope Nets | Steel Wire Nets



Marine and Ports - Access Gangways

A ship gangway, sometimes referred to as a brow or ladder, must provide safe access to and from ships or barges that are moving in and out, up and down, back and forth, all potentially at the same time.

Images of Installations:



Self Adjusting Stair Gangway

Barge Access Marine Gangway

Boat Access Stair

Marine Gangway with Handrails

Tanker Gangway



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