



New Naval

SEAustainable Solutions for Marine Environment Protection

**Oil Spill
Response
Equipment
Manufacturers**



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New Naval
est. 1978



A Message from our Founder



Based a few kilometers from Poseidon's (God of the Sea) temple in Sounion, Athens, overlooking the islands of the Aegean Sea, our mission was determined since the day New Naval was founded. Protection of the marine environment and our water resources is not only our job; it is our commitment to our children and to our planet, which is now facing unprecedented challenges from human pollution and climate change.

Our aim is to provide integrated and innovative solutions. We listen to our clients, consider the local conditions, understand their needs, provide advice and recommend the most cost-effective solution; not only until delivery of their project, but whenever our after sales services or expertise is needed.

Since New Naval's establishment 40 years ago in 1978, the company has evolved to become one of the leading, most reliable and innovative European companies that provide equipment and solutions for oil and chemical pollution and the marine environment protection overall. Tailor-made, cost-efficient, environmental-friendly products and ideas are developed for almost every marine environment issue.

We are modern, efficient, and flexible. We love innovation and ground-breaking ideas. Simultaneously, we are traditional, meaning that almost all our products are manufactured in-house, under our continuous overview and always from durable materials purchased from the most reputable and reliable suppliers in the industry.

Being one of the founding members of NGP Training Center, New Naval not only provides equipment and solutions, but also the knowledge and the accredited training to the industry and its stakeholders.

Oil Spill Response solutions are our flagship and our starting point. Our present and future include solutions for any marine environmental threat and detrimental factor such as Hazardous and Noxious Substances (HNS) pollution, Marine Litter, Jellyfish booms and others.

Join us on our exciting journey for cleaner seas!

Nikos Koliarakis
Founder & CEO of New Naval Ltd.

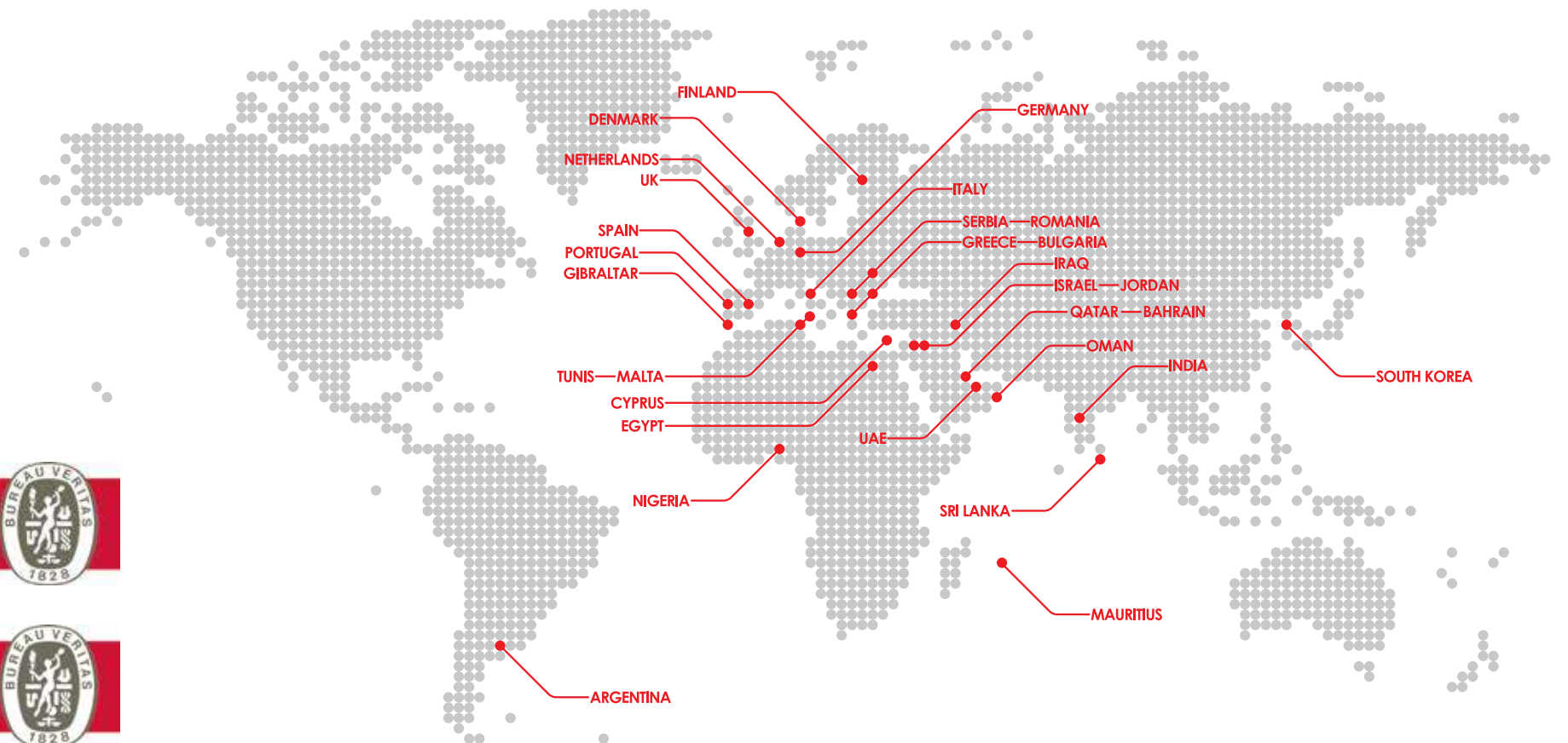
About Us

Our Facilities

Our brand new facilities are proudly one of the most modern in the industry and were built in two stages, in 2015 and in 2021, consisting now of more than 3,000m² of closed space, featuring multiple production lines, test pools and tanks, offices and state-of-the-art training room; our headquarters are easily accessible by car, just 30 minutes drive for Athens International Airport and in close vicinity to central port hubs.

Our People

New Naval consists of a combination of young, enthusiastic individuals from various backgrounds and some of the most experienced experts in the industry. Qualified mechanical and environmental engineers, marine pollution, maritime and oil spill response specialists, sales & marketing staff and expert response technicians form an ideal team that is dedicated to supporting and delivering any project around the world and most importantly shares a passion for the marine environment and its protection.

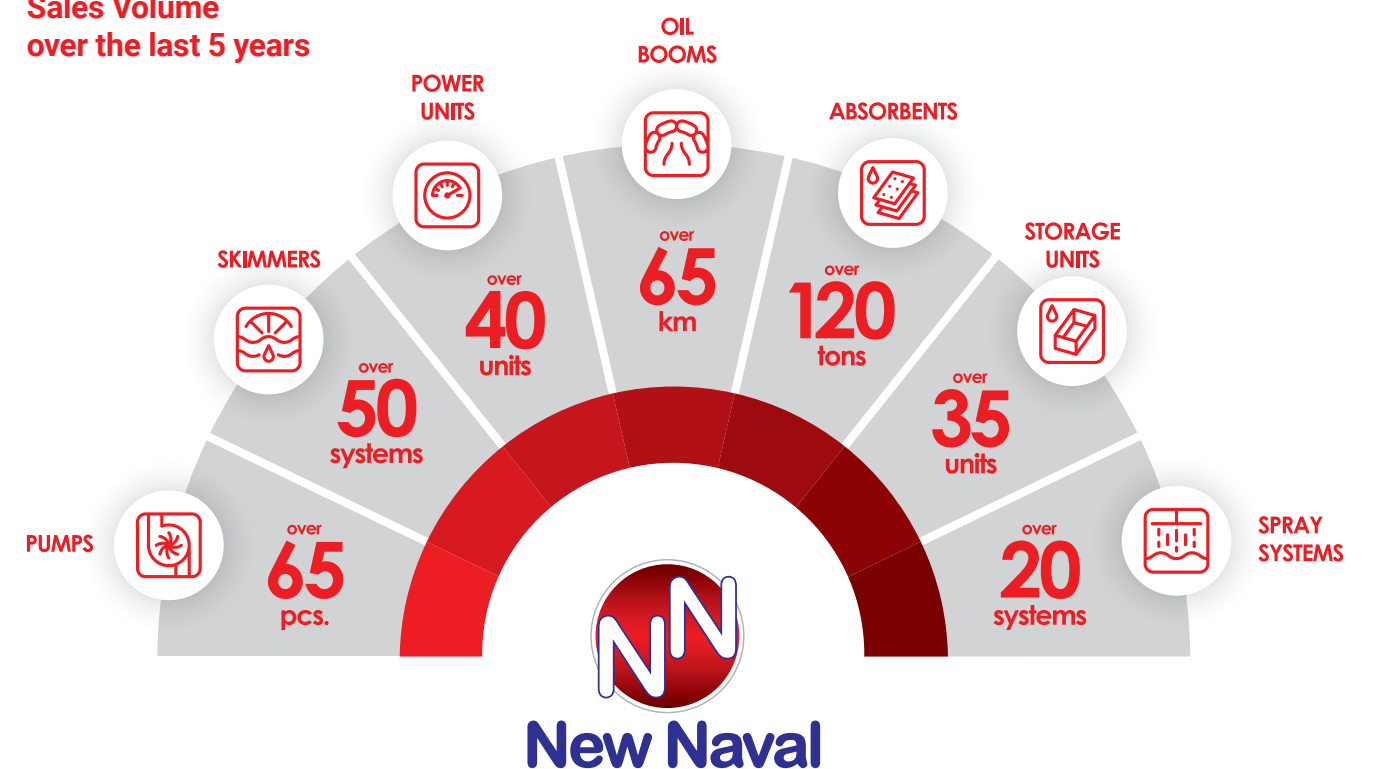


Our Sales Network

Our sales and service network has grown significantly, and we are proud to say that it continues to grow, covering most areas of the world. We are currently exporting to 29 countries and with the ongoing growth, our goal is to have a dynamic presence in every part of the globe.

Our agents and representatives are carefully selected as we strive to work with the best and most reliable people within our industry and with individuals and firms who share the same passion and ethics with us.

Sales Volume over the last 5 years

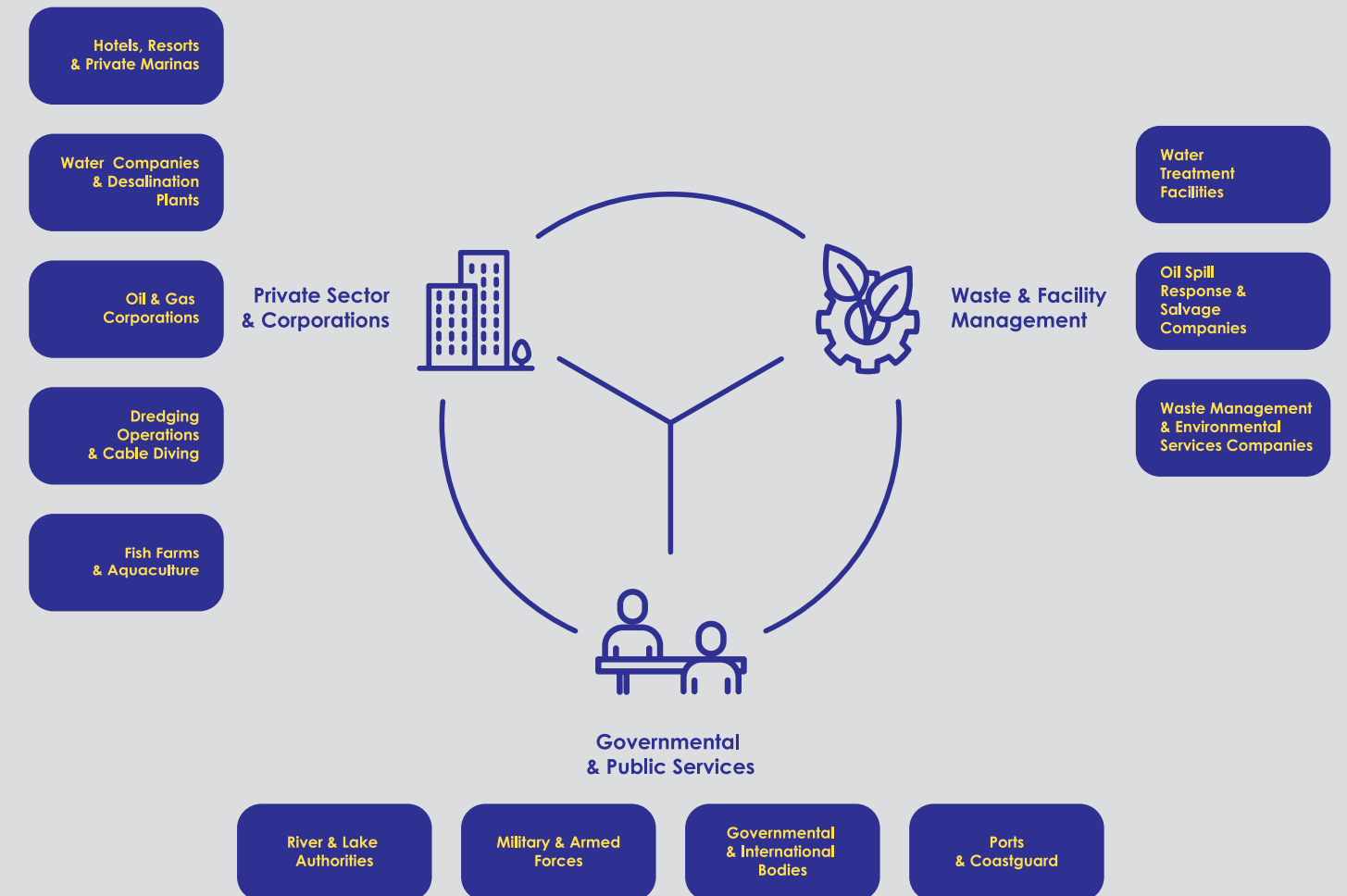


Our Clients

For the last four decades, New Naval has worked with highly reputable companies, authorities and organizations around the world. No project or client is too small or too big as our enthusiasm and concern for the marine environment is parallel to that of our current and future clients.

We treat our clients as long-term partners with a common goal of protecting marine environments across the globe. We are committed to using a friendly, customer based approach and hear what our clients really need in order to provide the solutions that work for them.

Prompt communication is fundamental for us at New Naval. We are committed to always being accessible by any technological means and are willing to schedule in person meetings at our customer's premises or welcome them to our facilities. We strive to respond to enquiries within a few hours and efficiently deliver within the agreed timeframe to our clients.



Our Clientele



Innovation & Blue Technology

For decades now, New Naval has provided solutions and innovative equipment solutions for the protection of the marine environment. The experience, significant exposure, the resolute spirit and innovation of the R&D team combined, has led us to develop a wide range of equipment; whilst allowing us to engineer custom-made solutions for almost any marine environment issue, including oil and HNS spills, jellyfish, marine litter, sediments from dredging, red tide phenomena and other detrimental factors.

In many cases, New Naval has provided scenario-based intelligence including the analysis of possible impacts of specific hazards and threats to properly formulate the most efficient and effective response and preventative solutions.



The New Naval Advantage

Our participation in important European or National Research Programs such as CLAIM (Horizon 2020) or Oil Spill Project (2019) has led to the development of new technologies and unique products such as the "CLEAN TRASH" Marine Litter Collection System, an innovative marine litter and plastic waste collection device for installation in river mouths. New Naval will continue to invest in Blue Technology and eagerly participates in research programs with other reputable organizations, universities, and institutes in order to contribute towards a cleaner future for our seas.

In the framework of the H2020 project CLAIM (Cleaning Litter by developing and Applying Innovative Methods in European seas) that was successfully completed in cooperation with the Hellenic Center for Marine Research (HCMR), New Naval along with HCMR and KISS Intelligence have proceeded in establishing the spin-off company «MINDS PC» (where MINDS means "MARINE INNOVATION, DEPOLLUTION & SERVICES"), in order to better exploit the research results and know-how produced in the CLAIM project.

In-House R&D and Production

New Naval has the optimum advantage for its clients as we offer custom solutions and tailor-made equipment with over 85% of equipment being designed and manufactured in house by our expert R&D team and engineers, at our state-of-the-art industrial facilities in Lavrion, Greece under ISO certified production and strict quality control procedures.

Competitiveness and Delivery

Our in house and flexible production coupled with our efforts to maintain a significant stock and our carefully selected long term suppliers, allows us to deliver within short time frames and remain competitive in this challenging and evolving economic environment.

Flexibility and Innovation

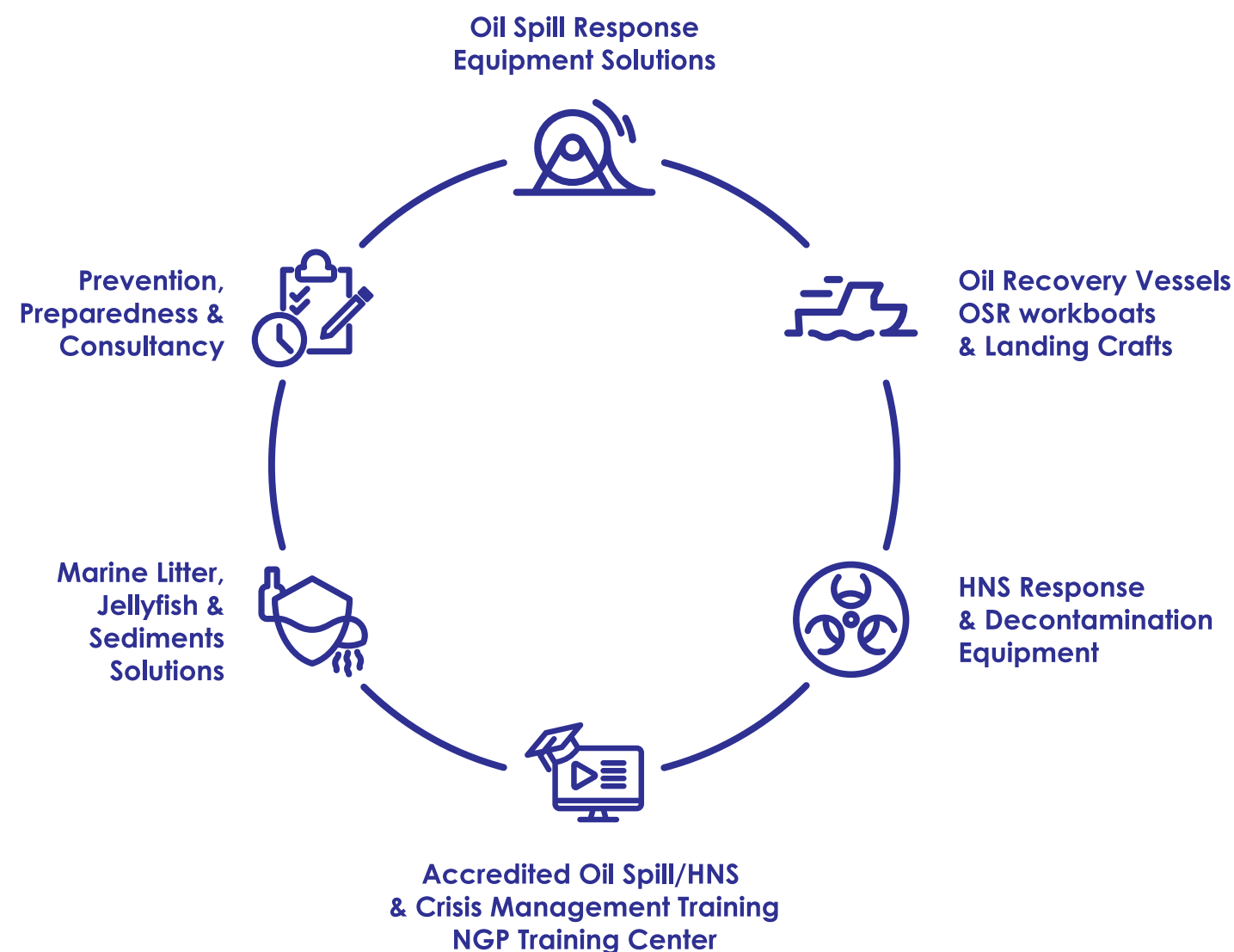
We hear our client's needs. We persevere in researching new technologies and solutions. We have a passion for innovation and new ideas, and we provide tailor made solutions that are ideal for each project at hand.

Client Friendly Approach

We continuously invest in our dedicated team of professionals to be by your side promptly and effectively with a vast knowledge of the industry, from the tender or proposal stage until completion, along with expertise after-sales services for the lifetime of the equipment or solution we provide.

What We Do

New Naval provides a complete range of products and services including Prevention/Preparedness Tier 1, 2 & 3 Packages (Contingency and Risk Assessment Plans), Accredited Training (on-line sessions available and HNS (Hazardous Noxious Substances) Response Equipment Solutions and Consultancy Services.



Oil Spill Response Equipment

New Naval designs and manufactures marine environment protection equipment with a major focus and expertise in Oil Spill Response, Marine Litter, Jellyfish and Sediment Screening. We develop customized and cost-efficient equipment solutions capable to effectively address an extensive range of on land and in water applications and scenarios.

Equipment solutions include a wide range of products so that operators and users alike are properly prepared to treat any type of incident they may encounter. Our product families expand through a variety of applications that allow selection and customization of equipment, resulting in the composition of ideal systems for the corresponding operational and situational needs. Many products can be customized or even combined with additional, complementary equipment leading to enhanced operating and control during recovery operations while minimizing response risks and challenges. Such systems include our innovative Single Vessel Containment Systems and Side Sweep Collectors with oleophilic belt-brush technology, suitable for high capacity, offshore recovery operations.

All equipment solutions and systems can be integrated with our recently launched series of Landing Crafts and Response & Recovery Vessels which are already established as must-have equipment. Their contribution proves to be crucial and necessary during Oil Spill incidents.

New fields of applications and focus also arise as climate change and litter pollution threaten marine environments and subsequently affect economies globally and locally. New Naval has further invested in its R&D division to provide innovative solutions for the sustainability of marine environments in cooperation with European and national organizations, resulting in the CLEAN TRASH System and Jellyfish & Litter Boom (JFL).

Given any specific operational needs and requirements, our sales and engineering team has the capacity and flexibility to guide our clients (governmental and private organizations) through our broad product portfolio, towards the optimal equipment solution, package or combination that best addresses the problem area.

New Naval's product development process is infused with our organization's innovation and technology savvy mindset. All products are manufactured with the highest quality standards and materials and thoroughly tested prior to commissioning. Our standard product series consists of containment booms, oil skimmers, power packs, pumps, storage solutions, ancillary equipment, consumables and work boats.

Equipment applications include:

- Offshore and nearshore applications
- Shorelines, harbours, ports, marinas
- Lakes & rivers
- Land & industrial sites
- Fish farms & water treatment facilities

Prevention and Response Scenarios addressed:

- Oil spill containment & recovery
- HNS (Hazardous Noxious Substances) pollution treatment & containment
- Protection from jellyfish infestation
- Marine litter & debris containment, collection & removal
- Silt, turbidity & sediments screening



01. Skimmers & Vacuums

Brush / Disc / Drum Recovery Skimmers
Weir Recovery Skimmers
Oleophilic Belt Brush Skimmers
Side Collector Skimmer Packages
Vacuum Systems
Portable Brush Recovery Skimmers



ScorLite



ScorLip 205



ScorSkim 30



ScorLip 105

New Naval provides an extensive portfolio of recovery oil skimmers including oleophilic free-floating skimmers, weir skimmers and belt brush skimmers that can be used independently, as advancing and vacuum systems. New Naval's skimmer range addresses all response scenarios and provides various recovery capacities as well as encounter rates. Custom made skimmers can also be manufactured upon client requests. Skimmers can be part of larger on-board, side sweeping systems combined with containment booms in various formations.



ScorLip X

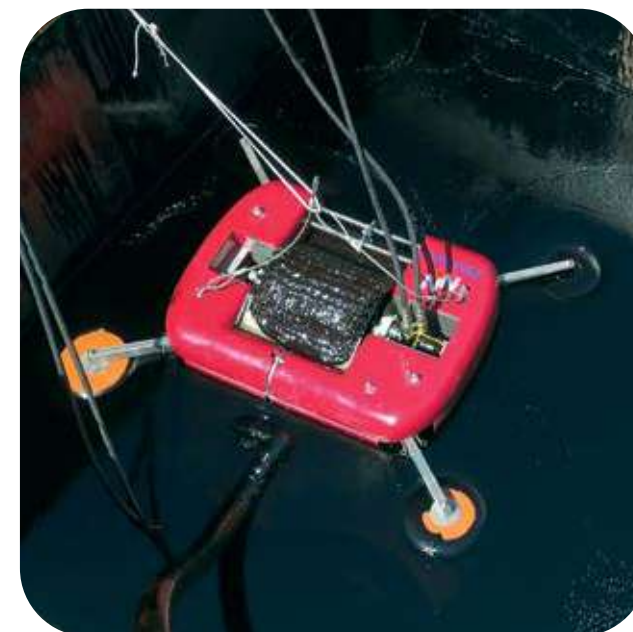


Brush / Disc / Drum Oleophilic Skimmers

Oil spill recovery skimmers are free-floating, hydraulically driven systems with interchangeable brush, disc or drum recovery banks, depending on the viscosity of the target oil. They are capable of recovery rates up to 98%. Depending on their capacity, they can be deployed in various recovery operations from port and harbour to heavy duty, off-shore applications.

ScorLite

- Capacity up to 30 m³/h with oleophilic brush module
- Skimmer frame made of marine grade aluminium
- Weight: 42 kg
- Draft: 200 mm
- Hydraulic flow rate: 3 lpm



ScorSkim 30

- Capacity up to 30 m³/h with oleophilic brush module and up to 13m³/h with Disc/Drum module
- Skimmer frame made of marine grade aluminium
- Weight: 86 kg
- Draft: 200 mm
- Hydraulic flow rate: 5 lpm

ScorSkim 90

- Capacity up to 90 m³/h with oleophilic brush module and up to 39m³/h with Disc/Drum module
- Skimmer frame made of marine grade aluminium
- Weight: 150 kg
- Draft: 400 mm
- Hydraulic flow rate: 15 lpm



ScorSkim Rock

- Handheld skimmer
- Capacity: 1-9 m³/h
- Skimmer frame: marine grade aluminium
- Weight: 7 kg
- Water content: <5%
- Hydraulic flow rate: 3 lpm



ScorLip X

ScoLip X is equipped with a solid particle, debris screen with a tolerance up to 6 mm. Remote pump options include: Selwood Spate PD75 (30 m³/h), Vogelsang Lobe Pumps (Various capacities from 30-75 m³/h), single diaphragm pumps (AMT, Sed-sor 20, 30 or 50 m³/h) or any remote pump the user may opt for. The system is built with highly durable materials resistant to oil, dispersants and seawater.

- Capacity up to 75 m³/h
- Skimmer frame: stainless steel
- Weight: 59 kg



Weir Skimmers

Weir skimmers utilize a self-adjusting weir lip that conforms to the waterline, providing excellent wave-following characteristics. The free-range movement provided by the bellows allows the weir lip to lie perfectly on the surface recovering oil from 360° off the top of the polluted water. Adjustable floats allow optimum recovery efficiency in varying environments, especially offshore. Weir skimmers are easily deployed and are capable of recovering light to heavy oils even in shallow areas.



ScorLip 105

ScoLip 105 is fitted with a 3" hydraulic submersible utility pump. Integrated pump options include Hydratech Submersible Centrifugal Utility Pump (>70m³/h), Hydratech Submersible Centrifugal Pump (>100m³/h) or Archimedes Screw Pump models.

- Capacity up to 105 m³/h
- Skimmer frame: stainless steel
- Weight: 74 kg
- Draft: 410 mm
- Hydraulic flow rate: 30 lpm



ScorLip 205

ScoLip 205 is fitted with a 4" hydraulic submersible utility pump on top of the weir hopper. The skimmer can be disassembled into its components allowing easy maintenance. Hydraulically driven, the skimmer utilizes quick couplings that can be connected to a dedicated power pack or directly to a vessel's hydraulic system.

- Capacity up to 205 m³/h
- Skimmer frame: stainless steel
- Weight: 80 kg
- Draft: 550 mm
- Hydraulic flow rate: 45 lpm



ScorLip Moon

ScoLip Moon is a compact and portable oil weir skimmer with an extremely shallow draft that makes it ideal for operating in inland waters and near shore locations. The skimmer is commonly paired with an independent, remote diaphragmatic pump or vacuum by a transfer hose with a quickly and easily secured Camlock connection.

- Capacity up to 20 m³/h
- Skimmer frame: marine grade aluminium
- Weight: 11,5 kg



◀ ScorVac 5L / 6L

- Electric or diesel driven
- Oil recovery rate up to 30 m³/h
- Vacuum pump capacity up to 216 m³/h
- Hopper volume: 200 or 300 Lt
- Hopper weight: 83 kg
- Pump weight: 185 kg

ScorTail 30 ▶

- Capacity up to 30 m³/h
- Skimmer frame: marine grade aluminium
- Weight: 229 kg
- Brush rows: 3
- Hydraulic flow rate: 12 lpm

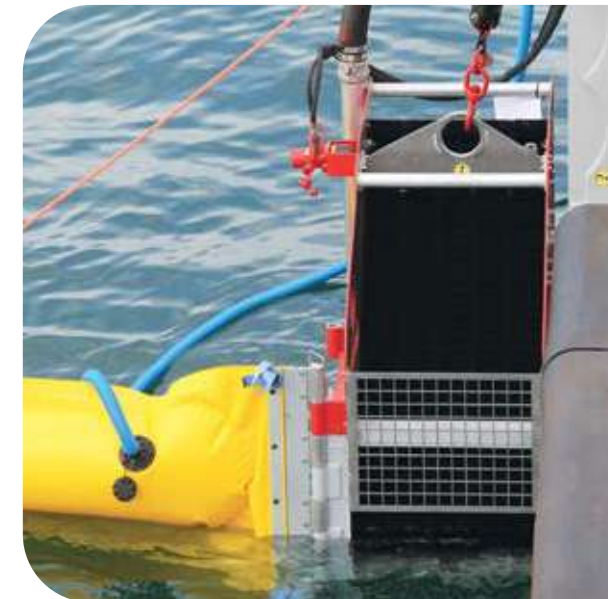


ScorTail Skimmers

For small to large scale recovery operations ScorTail Belt Brush Oil Skimmers incorporate proven oleophilic brush technology and are capable of achieving high recovery capacities with optimum efficiency. They can be used independently or as a bow or side skimmers when mounted on a vessel, composing an oil slick processing system.

ScorVac Vacuum Systems

The ScorVac vacuum systems are powerful suction tools that collect viscous liquids like hydrocarbons, oil emulsions, oiled mud and contaminated soil/sand with an oil recovery rate of 30 to 60 m³/h. The vacuums are most suitable for on-land operations where oil must be removed from a surface, especially at limited space locations. The systems consist of a Hot-Dip Galvanized (HDG) hopper tank, an aluminium vacuum dome head, hoses, aluminium suction lance and a multiple nozzle set. The nozzle set includes a fan nozzle and a straight nozzle (optional weir head).



◀ ScorVac 10L / 12L

- Electric or diesel driven
- Oil recovery rate up to 60 m³/h
- Vacuum pump capacity up to 540 m³/h
- Hopper volume: 2-10 m³
- Weight (max): 216 kg

ScorTail 75 ▶

- Capacity up to 75 m³/h
- Skimmer frame: marine grade aluminium
- Weight: 500 kg
- Brush rows: 5
- Hydraulic flow rate: 12 lpm



▲ ScorTail 60

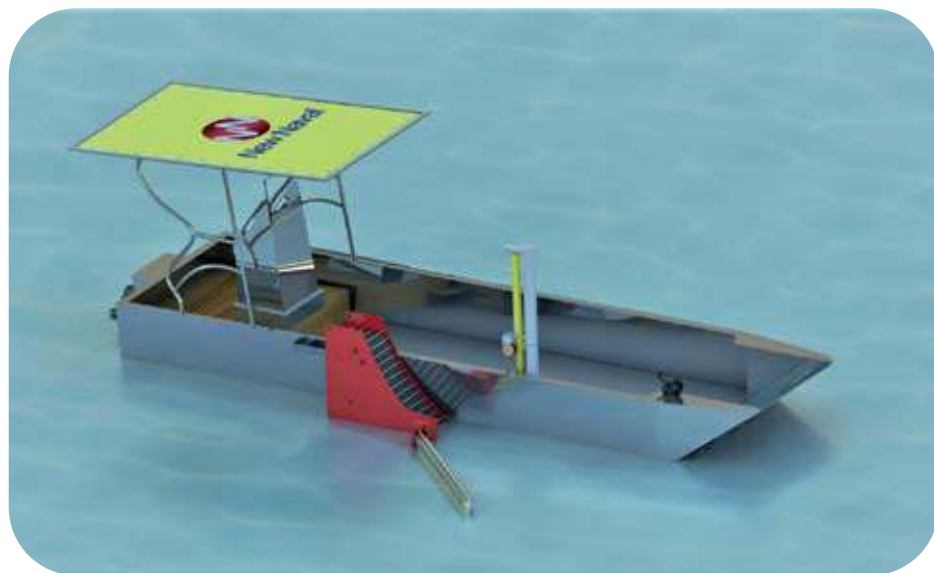
- Capacity up to 75 m³/h
- Skimmer frame: marine grade aluminium
- Weight: 250 kg
- Brush rows: 5
- Hydraulic flow rate: 12 lpm



02. Integrated Advancing Recovery Systems

Equipment solutions include a wide range of products so that operators and users alike are properly prepared to treat any type of incident they may encounter. Our product families expand through a variety of applications that allow selection and customization of equipment, resulting in the composition of ideal systems for the corresponding operational and situational needs. Many products can be customized or even combined with additional, complementary equipment leading to enhanced operating and control during recovery operations while minimizing response risks and challenges. Such systems include our innovative Single Vessel Containment Systems and Side Sweep Collectors with oleophilic belt-brush technology, suitable for high capacity, offshore recovery operations.





▲ ScorSweep Lite

◀ ScorSweep 30

▼ ScorSweep 60

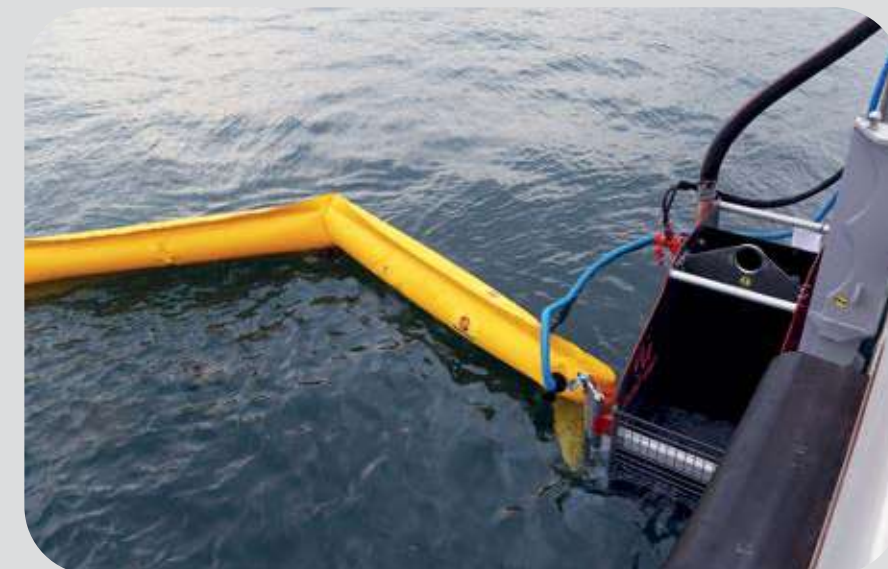


ScorSweep Packages

Complete oleophilic side collector packages, that are designed to temporarily convert a vessel into an oil slick processing system. Intended for larger offshore operations, the systems are equipped with a ScorTail belt-brush skimmer to the side of the vessel. The skimmer is connected to a sweep boom that creates a containment swath guiding oil during to the collection point of the skimmer. The sweep boom is held in place by a stainless steel jib arm.

- Transfer capacities up to 150 m³/h
- Recovery means: oleophilic belt conveyor brush
- Skimmer frame: marine grade aluminium
- Jib arm effective swath: 5 - 10 m

ScorSweep 75 ▶





03. Oil Booms & Ancillary

Inflatable Curtain Booms
Solid Floatation Booms
Permanent Fence Booms
Beach Sealing Booms
Air Inflators
Storage Reels & Crates

For a response operation to be successful, fast spill containment is critical. New Naval produces oil containment booms of various types and dimensions capable of addressing a plethora of applications. Options include inflatable, fence, curtain and solid floatation curtain booms constructed with durable materials, built to last and withstand the harsh conditions of a spill. Custom sizes and storage options are available.



Scorpion A-Series Inflatable Boom

Inflatable oil containment booms with outstanding buoyancy and heave response that can be utilized in a variety of operations from ports and harbours to near and off shore applications.

- Operational heights available from 350 to 1500 mm
- Standard section length is 25m. Custom sizes available
- Wide range of materials and connectors
- Optional hydraulically powered storage reel



ScorStore Boom Reel



Sections are connected with ASTM-Z end connectors as well as U-Bolts upon clients request. Independent inflatable cylindrical air floats provide reliability and optimal heave response. Tensioning is achieved with PET webbing and galvanized chain. Depending on operational needs, various configurations may be used such as J, U shaped sweeps along with side sweep systems.

Operational Heights: 350 to 1500 mm
Other options include Air Blower & Hydraulic Power Pack

Scorpion A-Series CSM Inflatable Neoprene Boom

A heavy-duty off shore oil containment system made from vulcanized rubber compound, coated with CSM. Its seamless body makes it extremely durable, able to withstand demanding off-shore marine conditions and aggressive hydrocarbons.

- Operational heights available from 350 to 1500 mm
- Standard section length is 50m
- Operational temperatures -30°C to 70°C





Scorpion 920 C Solid Flotation Boom



StorStore Boom Crate with Scorpion 920 C



- Operational heights available from 350 to 1200 for C and 1150 mm for F Series
- Manufactured from high visibility PVC-coated Polyester fabric
- Closed-cell PET foam cylindrical floats
- PET webbing and galvanized chain tension members

Scorpion F-Series Solid Flotation Fence Boom

The Scorpion F-Series Fence Boom is a lightweight, flexible boom that is ideal for long-term, near shore, harbour and inland containment operations. The slim boom format allows it to neatly fold upon itself allowing compact storage and maximum space usage. The compact design of the boom makes it easy to deploy and recover. The high rigidity durability, buoyancy and strength of the boom, provided by thin foam floats, make it ideal for permanent and long-term installations in ports, marinas and moorages.

StorStore Boom Reel with Scorpion 750 F



StorStore Boom Crate with Scorpion 750 F



Scorpion C-Series Solid Flotation Boom

Rapidly deployed containment system that utilizes solid foam cylindrical floats. The C-Series boom is ideal for multiple applications including inland waters, offshore open seas and waters with hi-speed currents. The strength and rigidity of the solid floats allows the boom to maintain shape and provides excellent conformance to waves. The boom can be produced in various lengths allowing custom solutions to booming needs.



ScorStore Trailer ▶

The ScorStore trailer is a practical solution for the transportation of a variety of equipment including oil booms, power packs, skimmers and ancillary equipment among other options. The trailer is designed to be towed by operation vehicles capable of towing capacities up to 2500 kg. The trailer can be fitted with Scorpion Boom Storage Reels for easy transport and deployment of booms. The trailer comes in various capacities and sizes, customized to fit the operational needs of the user.



- Storage capacities for boom reels up to 300m
- Load capacities (max.) 2500 kg

ScorStore Boom Reel



ScoStore Boom Crates



ScorTow Bridle with Scorpion F-Series Boom Section



Scorpion P-Series Permanent Fence Boom

P-Series is a heavy-duty fence type boom designed to withstand constant use and exposure to marine conditions without requiring frequent maintenance.

- Built to endure heavy debris concentrations and current speeds up to 3 knots
- Operational height 920 mm
- Rotary moulded PET floats
- Double layer polymer coated polyester Fabric

ScorStore Boom Reels

ScorStore Boom Reels can be driven by hydraulic power units and can accommodate up to 250 meters of oil boom of various heights. All reels are manufactured from high-grade special-treated/corrosion protected mild steel and a heavy-duty spool.



ScorStore Boom Reels



Scorpion S-Series Beach Sealing Boom

S-Series contains pollution that extends to shores. It adapts to water level using three separate chambers, two lower filled with water and one upper filled with air.

- Compatible with many types of booms
- Variety of boom lengths
- Equipped with ASTM-Z end connectors



04. Power Packs & Transfer Pumps

New Naval Power Units come in various capacities ranging from 7,5 kW to 120 kW and are designed to operate different machinery including recovery skimmers, ancillary equipment (air inflator, boom reel) and transfer pumps. Power units are robust and intended for use in harsh marine environments.

Pumps come in a variety of different sizes and capacities and can be used in oil recovery and transfer operations. Pump selection depends on the operation at hand and the equipment in use. New Naval's range of pumps, include centrifugal, diaphragmatic, lobe, screw and positive displacement pumps.

ScorPack 7,5 kW / 14 kW / 17 kW

Compact hydraulic power packs intended to power equipment with medium power requirements. The power packs are portable and can be transported over difficult terrains and operated in challenging locations. The system can easily operate a hydraulic-driven boom reels, air blowers, transfer pumps and oil skimmers.



Options include: Chalwyn™ Valve, Oil Cooler, Spark Arrestor, Cover, Multiple Outputs, Control Panel, All Terrain Wheels



ScorPack 32 kW / 40 kW / 50 kW / 120 kW

Heavy-duty power units intended to power larger equipment with high power requirements. They are equipped with lifting points and forklift slots for ease of transport. They are equipped with a complete hydraulic hose set. The systems supply the required power to multiple pieces of equipment. Optional electronic control panel.



Gauges include: hydraulic oil level, hydraulic temperature, RPM meter, operating hours counter and warning lights



Spate Pump

The Spate Pump is a positive displacement transfer pump driven by a diesel engine or hydraulic motor. The pump's body is made of marine-grade aluminium and provides non-turbulent flows for viscous liquids, suitable for oil spill recovery. The pump has a 30 m³/h capacity and can manage 6 mm in diameter solids.

- Weight dry: 55 kg
- Air handling: 3,77 l/s
- Required hydraulic flow: 18,5-37,5 lpm



Diaphragmatic Pump

The diaphragmatic pump is intended for versatile applications including oil spill response operations. The pump is equipped with a built-in check valve and enables constant self-priming to 6m (20 ft). The hose inlet and outlet transfer connections are 3" in diameter.

- Nameplate capacity: 20m³/h
- Weight dry: 92 kg
- Pump speed (min.-max.): 960-1450 rpm



Rotary Lobe Pump

Lobe pumps are warranted against damage from dry running for a period up to 30 minutes. The pump's housing is made of Grey cast iron 250. FKM / HiFlo / 4 Wings lobes (bare shaft, cylindrical) provide powerful suction and pulsation free operation. The pump comes in a protective metal casing equipped with lifting eyes and a hydraulic platform to connect the system to a hydraulic power source.

- Nameplate capacity: 15-70 m³/h
- Weight dry: 196 kg
- Pump speed: 800 rpm
- Required hydraulic flow: 53 lpm





05. Temporary Storage

Tanks, Bladders, Barges, Containment Berms



New Naval provides a complete line of temporary storage and decontamination units that are ergonomic, easily deployed, require minimal storage and are easy to clean. Systems are portable and rapidly assembled. Our range includes decontamination tanks, towable and non-towable bladders, barges, ground mats, self-supporting storage tanks and open top, temporary framed tanks.

ScorTank Self-Standing

The ScorTank Self-Standing is a self-supporting storage tank designed to be used as a temporary storage solution. The tank maintains its own structure through innovative engineering and a shape that incorporates a floating collar that rises as the tank is filled. The tank is open topped allowing very simple transfer of liquids to and from the tank. It is designed to store most types of liquids especially hydrocarbons including diesel. It folds up to a compact shape and is light-weight as it has no need for a frame.

- Capacity: 2, 5 & 10 m³
- Weight: 19,5, 49 & 61 kg
- Base fabric: polymer coated polyester



ScorSafe Ground Mat

Manufactured from heavy-duty Polymer Coated Polyester Fabric. Rapid, tool free deployment and self contained. Side walls remain flat for easy vehicle loading/unloading. High visibility and contrast colour layout, ensures smooth operation in dim environments. Foam lips are manufactured from enclosed closed-cell PET floats rising when filled, creating an outer perimeter.

- Capacity: 6 m³
- Weight: 45 kg
- Base fabric: polymer coated polyester

ScorTank Framed

Manufactured from Polymer Alloy Coated Polyester fabric. The tubular space frame is manufactured with marine-grade aluminium. It is fitted with a decanting valve for easy drainage. A tarpaulin ground mat provides protection from spills during transfer operations. It comes in a heavy-duty PVC bag for storage and transportation. It is easily cleaned and is resistant to sea-water, UV radiation, chemical dispersant and hydrocarbons.

- Capacity: 4, 8 & 10 m³
- Base fabric: polymer coated polyester or neoprene/rubber





- Capacities: 5 m³ - 10 m³ - 12 m³ - 25 m³
- Towing speed empty: 12 knots
- Towing speed full: 6 knots

ScorTank Bladder

The ScorTank Bladder is designed to be used as a temporary storage solution for use on land and in water. It can be towed from work boats while filled. The bladder is designed to store most types of liquids. When empty, the system can be folded for storage. Manufactured with heavy-duty PU Coated Polyester Fabric.



ScorTank Barge

The ScorTank barge is an inflatable, towable, floating oil storage tank with a pocket shaped bottom. It can be used for storing and transporting recovered oil. The hull is manufactured from TPU or Hypalon-Neoprene (CSM) rubber material in a "horseshoe" shape, and is composed of compartments with internal airtight conical bulkheads. It is equipped with a removable top cover with filling points, lifting hooks and towing lines.



- Capacities: 10 m³ - 25 m³ - 50 m³
- Towing speed empty: 10 knots
- Towing speed full: 4.5 knots



06. Dispersants

New Naval dispersants are anionic and on-ionic emulsifiable surfactants that create an oil-in-water micro emulsion maximizing surface tension. They are efficiently and effectively deployed in a swath from a work platform or vessel by our own dispersant nozzles or dispersant spray arms that utilize multiple nozzles.

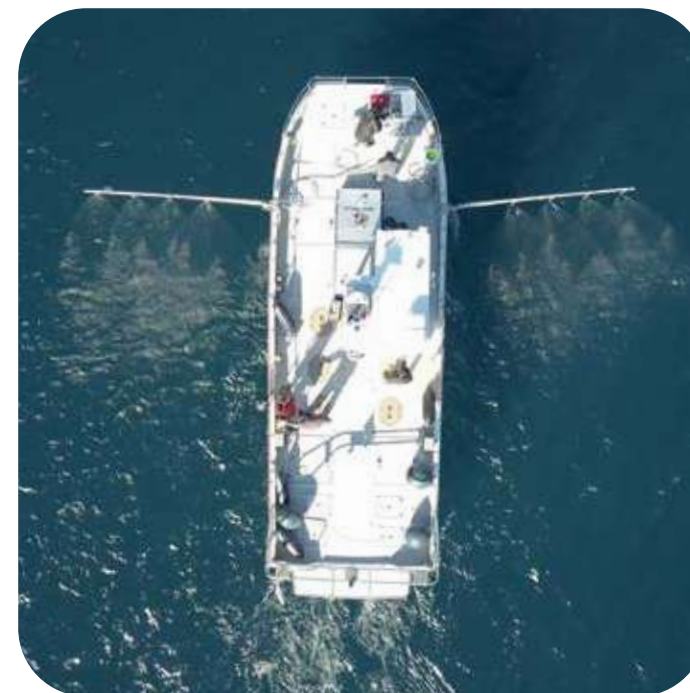
Oiler 60 Dispersant

Oiler 60 type II/III 3rd generation chemical dispersant is supplied in 20 L containers and 210 L drums. It creates an oil-in-water micro emulsion which maximizes oil surface tension, forming small oil droplets that allow rapid biochemical degradation. Certified product from HCMR and Warren Spring Laboratory (UK).



ScorSpray Arms

ScorSpray Arms are a portable dispersant applicant system that utilizes spray arms to deploy dispersant from multiple nozzles in a systematic, swath approach. The system deploys neat and concentrated chemical dispersants at an output up to 150 lpm depending on the needs of the operation at hand. A portable, diesel-driven pump controls the application of the dispersant. The system is comprised of two aluminium arms that are easily assembled and can be outfitted on a vessel or work platform. Each arm is equipped with four nozzles and weighs 21 kg. The system is powered by a 4.7 hp Yanmar L48 air-cooled unit.



ScorSpray Nozzles

ScorSpray Oil Dispersant Nozzles deploy dispersants at a maximum spraying footprint of 16m in diameter per nozzle, covering a width of 32m in total. The system consists of 2 x spray nozzles, a diesel engine, a diaphragmatic pump, eductor and a hose set. The air-cooled, Yanmar diesel engine employs a recoil starter. The engine drives a reduction unit, European-made Comet diaphragmatic pump with a capacity up to 130 lpm. An eductor is fitted on the pump discharge for the dilution of concentrate dispersant when required.





07. Sorbents

Scorpion sorbents include absorbents and adsorbents. The sorbents are extremely oleophilic and hydrophobic, allowing them to collect multiple times their weight of most oil types without sinking. Sorbents can be used in conjunction with booms or independently. Our sorbent range includes Oil Absorbent Pads, Rolls, Booms, Socks, Pillows, Granules and Particulates and Adsorbent Oil Traps. New Naval also manufactures General Purpose (Industrial) & Chemical/HazMat and Absorbents for industrial applications.



◀ Scorpion Oil Absorbents

Oil Absorbents (Pads, Rolls, Sweep Rolls, Booms, Socks, Pillows, Granules and Particulates) are an ideal solution for near shore and inland oil recovery. Made of 100% non-woven, melt-blown polypropylene fabric with excellent oleophilic properties. They absorb up to 25 times their weight of most hydrocarbons. Due to their hydrophobic properties, the absorbents float even when fully saturated with oil. Made of non-toxic material. Reusable up to 5 times with constant performance.



Scorpion Chemical Sorbents ▶

Sorbents are highly flame-resistant and can be incinerated with less than 0.02 % ash. They have long storage life as sorbents will not rot or mildew. Sorbents come packed in heavy-duty polyethylene film bags for indoor or outdoor storage in a variety of types. Sorbents in boom form are contained with a special treated net. The tensile strength of sorbent booms is reinforced by a propylene rope located inside the boom net. Both sorbent booms and socks are equipped on both ends with lines to join multiple pieces together.



Scorpion Oil Absorbent Socks



Scorpion Oil Adsorbent Pads



◀ Scorpion Oil Adsorbent Traps

Made of Fibrillated Polypropylene Fabric, Scorpion Oil Traps have excellent oleophilic properties and can adsorb up to 65 times their weight. Due to their hydrophobic properties, the traps float even when fully saturated with oil. The adsorbents need no special equipment for application and recovery. The traps are made of non-toxic material and are reusable up to 5 times with constant performance. They have long storage life as traps will not rot or mildew. Traps can be stored in their heavy-duty polyethylene bag indoors or outdoors.





08. Workboats & Response Vessels

High-speed, dynamic recovery crafts are designed as support vessels for oil spill/emergency response and salvage operations. Our latest additions are highly necessary and versatile aluminium landing crafts. Their speed minimizes the response time from the initial call-out. Shallow drafts allow operation in a variety of environments and are designed to carry OSR equipment (skimmers, booms). New Naval's series of dynamic recovery crafts and work boats includes the SeaGuardian 9.10 Response Vessel and the SeaGuardian 12 Twin Dynamic Vessel. Landing crafts of custom lengths and power are also available.



Seagurdian 9.10

A high-speed craft designed to act as a support vessel in oil spill response and salvage operations. The vessel is driven by dual 200 HP engines and equipped with 3000 Lt storage tanks.

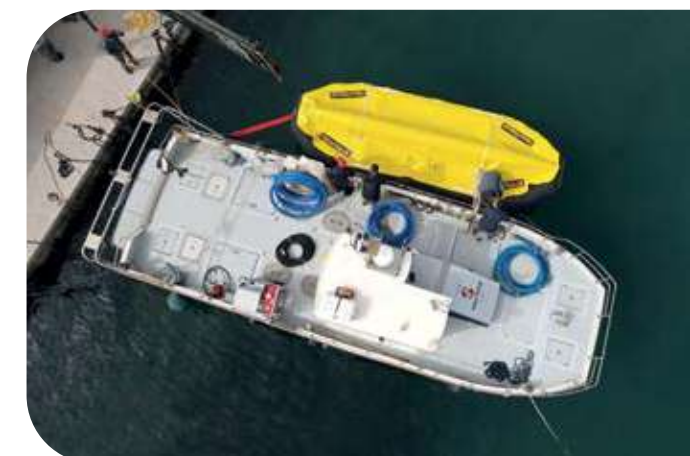
- Length (LOA): 9,90 m / Beam (molded): 3,30 m
- Stern deck outfitted to store oil spill response equipment
- Hull made of heavy-duty glass reinforced plastic (GRP)



Seaguardian Twin 12

The Seaguardian Twin 12 Dynamic Recovery Vessel is a high-speed, catamaran hulled response craft able to achieve speeds of up to 18 knots designed to minimize initial response time from the first call-out in emergency operations.

- Length (LOA): 11.90 m / Beam (molded): 4.30 m
- Fitted with a retractable oleophilic belt brush skimmer
- 6000 Lt oil storage tanks
- 2x315 hp engines
- Catamaran hull type





09. Marine & Coastal Solutions

CLEAN TRASH System
Jellyfish & Litter Booms
Silt & Turbidity Screen
Silt & Turbidity Curtain
ATB Anti-Terrorist Barrier



CLEAN TRASH

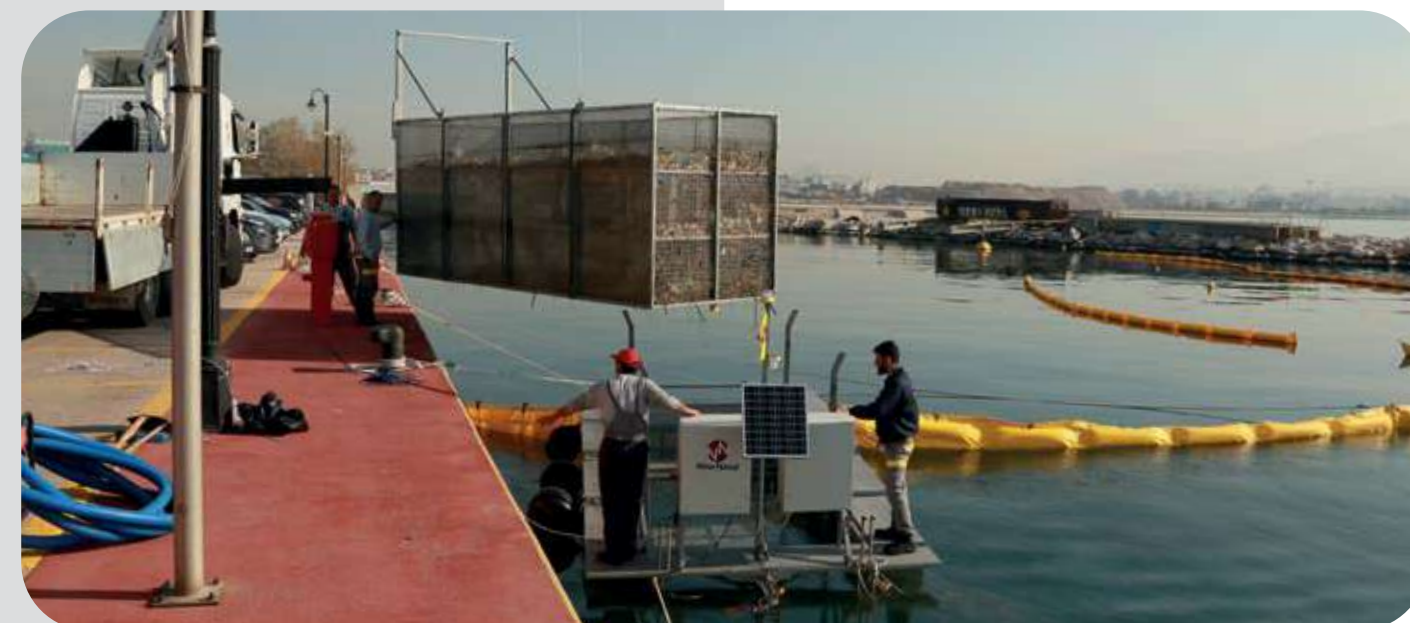
CLEAN TRASH (CLAIM's Litter Entrapping Autonomous Network, Tactical Recovery Accumulation System Hellas) is a system intended to manually manage and remove marine litter from river mouths before entering larger water pools. The system has a high capacity storage design up to 890 kg, with multiple levels that can be remotely interchanged when filled. Its heavy-duty boom arrangement controls, guides and manages debris to a containment cage with separate collection chambers where they are collected, contained and stored before removal. The configuration collects macrolitter (down to 5 mm) and greater. The system can be remotely operated and monitored to collect and compile data regarding the volume of litter exiting the river and the correlations of these volumes to weather and river fluctuations.



New Naval has developed a series of solutions for marine and coastal environments based on the increasing demand for operations which address protection of valuable assets. Such are:

- Marine litter collection and removal from river mouths
- Containment of naturally occurring phenomena such as jellyfish, red tide and marine litter
- Sediments resulting from environmental degradation due to erosion or construction activities
- Other possible detrimental activities or natural occurrences

Systems are designed to be used in locations such as hotels, resorts, government facilities, water intakes, estuaries, private shorelines and lands, sensitive/protected ecosystems, construction sites, and erosional areas. All systems can be customized and altered according to customer specifications, tailored to meet environmental demands and scenario variations.





- JFL Operational heights available 500 mm & 920 mm
- Manufactured from high visibility PVC-coated polyester fabric
- Closed-cell PET foam cylindrical floats
- Polyamide containment net
- Section length: 10 m



STS Silt & Turbidity Screen & Curtain

The STS Series Silt & Turbidity Screen & Curtain Boom provides turbidity control and contains suspended silt, marine litter, floating pollutants or detrimental organisms such as jellyfish. The screen features a monofilament filter that allows water and natural currents to proceed unhindered while containing silt and similar materials. The boom is ideal for highly erosional locations where sediment run off or storm water pollution can cause damage or distress to delicate environments and ecosystems.

JFL Jelly Fish & Litter Boom

The Jellyfish and Litter Containment JFL Boom is a cost-effective, multi-purpose system that is designed to contain and collect jellyfish, marine garbage and floating or submerged pollutants in a variety of applications both on the surface and below water. The permeable polyamide nylon net attaches to the boom skirt extending it below the surface. Cylindrical floats within the boom are made of closed-cell PET foam.

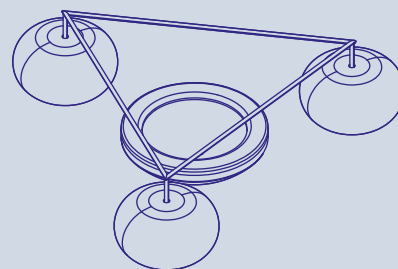
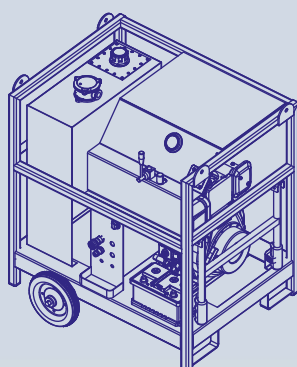
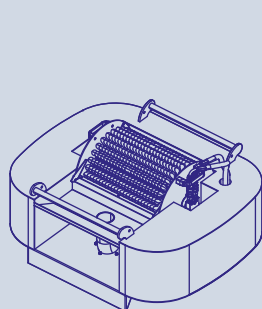


- STS Operational height: 900 mm
- Manufactured from high visibility PVC-coated polyester fabric
- Closed-cell PET foam cylindrical floats
- PVC-coated monofilament polyester silt screen fabric
- PVC-coated polyester silt curtain fabric
- Section length: 10-30 m



ATB Anti-Terrorist Barrier

The ATB Anti-terrorist Barrier is a solution for protection from sea level attacks. Properly deployed, it can prevent sea-level attacks by man-powered or remote high-speed crafts. The barrier prevents intrusive activity. It consists of two main components: a large diameter water-filled floating chamber and a heavy-duty, above water freeboard fence made of webbing net. The webbing net is enforced with Stainless Steel tubes that provide vertical support. The barrier is easy to deploy and recover.



New Naval

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of the environment since 1978

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