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COMPANY BROCHURE



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OUR VALUES









D **Driven** - At SMP we have the drive not only to make high quality systems but also to make the industry safer for the personnel who operate in it. The drive to innovate has made us a globally recognised name for state of the art solutions.

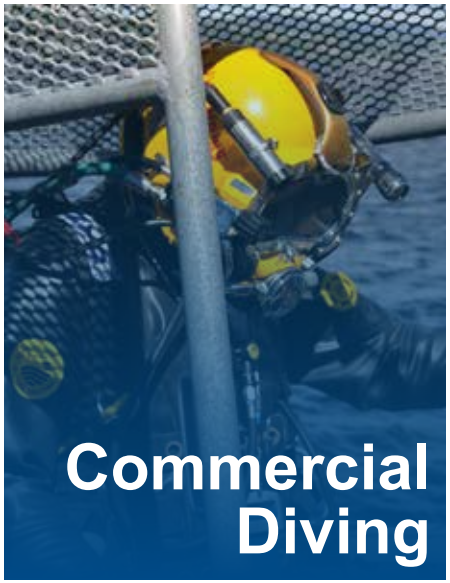
E **Efficient** - Our experience and knowledge allows us to design and manufacture state of the art solutions much more efficiently and effectively. We are able to transfer the knowledge from a multitude of previous projects to use in new projects to quickly and effectively create solutions to our clients' requirements.

P **Professional** – With a long established history and a range of past projects, SMP are able to provide professional advice and solutions based on many years of knowledge and experience.

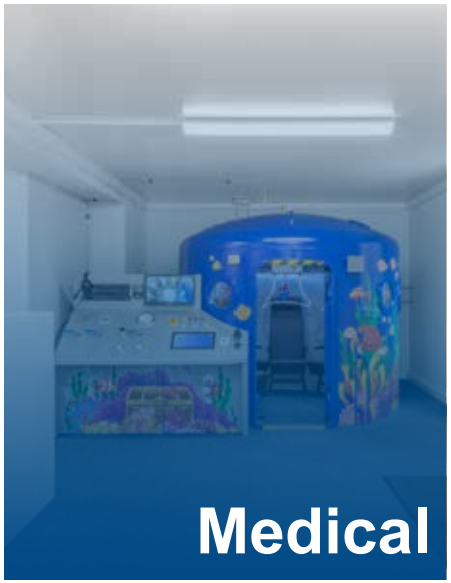
T **Thorough** – We pride ourselves on our attention to detail. SMP want to create a system that works exactly how the client needs it to whilst also solving all of the problems they face.

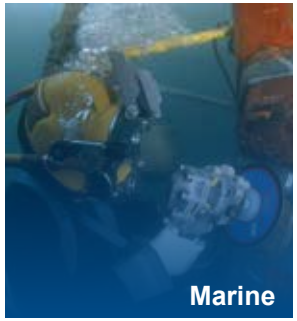
H **Hard Working** – SMP endeavour to create only the best solutions for our clients. We work closely with the client to understand all of the problems they face and understand what they want to achieve from a system.

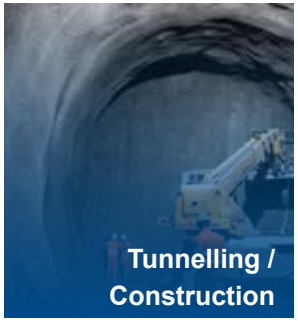
OUR MARKETS

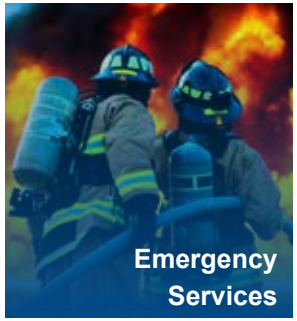






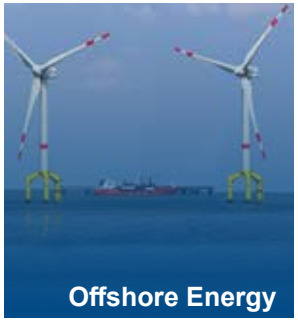


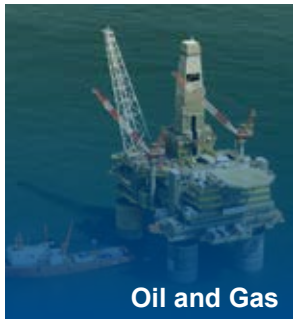














SMP have a long established history in the Commercial Diving industry. Since our founding in 1985, we have spread into more markets and industries. We now operate in many global market sectors including Military, Marine, Renewables. Nuclear, Tunnelling and Medical Industries, with clients across the world.

We are always expanding into new markets as we bolster the solutions we manufacture. We thrive on innovating our systems to work in even more unique ways to expand them into more sectors.

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PROJECTS ARE MADE BY PEOPLE AND EXPERTISE









People are the primary asset of every business and SMP is no different. We are proud to be a strong and diverse team dedicated to delivering the very best to our clients. SMP focuses on continual development, investing in the latest training, support, tools and techniques to achieve outstanding results on a consistent basis.

Over our long history we have been involved in a plethora of different projects. These projects have been in a variety of industries and have spanned across the globe.






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CONFIGURED PRODUCTS



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SMP Ltd have been supplying the commercial diving industry worldwide for over 35 years and we pride ourselves on providing the highest quality commercial diving equipment and excellent customer service.

We are agents for leading manufactures such as Kirby Morgan Diving Helmets, Broco, Coltri Compressors and Outland Technology and we are also IMCA members.

We have diversified our product offering to best meet the requirements of our clients from a range of different industries. Our unrivalled collection of specialised equipment has been developed through many years of innovation. We manufacture our own equipment and supply a wide range of different products worldwide. Our configured products include helmets, air compressors, air cylinders, underwater tools, lighting and camera systems.



COMMERCIAL DIVING EQUIPMENT



STANDARD DDCS



HP, LP NITROX AND CNG COMPRESSORS



AIR AND MIXED GAS PANELS



SINGLE AND TWIN LARS

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KIRBY MORGAN DIVING HELMETS

SMP Ltd are UK based distributors of Kirby Morgan® bandmasks, helmets, masks, spares and associated equipment.

Kirby Morgan Dive Systems, Inc., based in Santa Maria, California, continues to provide the commercial diving industry with outstanding products, quality parts and service.

We stock all Kirby Morgan® Commercial Diving Helmet models including the popular Kirby Morgan 37, the Kirby Morgan Superlite 27 and the Kirby Morgan Diamond. As an approved training facility, we also offer Training Courses for divers on helmet use, repairs and maintenance.

Known worldwide for their reliability and build quality, Kirby Morgan® commercial diving helmets and masks are designed to provide exactly what commercial divers require: reliable and practicable protection when it's needed most.





The NEW Kirby Morgan Diamond Diving Helmet

The Kirby Morgan Diamond is the next modular variation to the KMDSI stainless steel helmet. When the KM Diamond is attached to our stainless steel helmet shell the diver can operate in either a surface exhaust or ambient water exhaust diving mode.





DIVER BAND MASKS

Fully tested and certified, the Kirby Morgan 18B and Kirby Morgan 28B Band Masks may be used in mixed gas diving as well as shallow water diving.

SMP supply Kirby Morgan Band masks. We stock both types of Band masks offered by Kirby Morgan. These are the Kirby Morgan 18 Band mask (500-026) and Kirby Morgan 28 Band mask (500-029).



DIVER GEAR

SMP supply a variety of different products for inshore and offshore divers. Our extensive range of products has been strengthened by the major brands we are official distributors of.

Our range includes:

- Full Face Masks
- Diving suits
- Harnesses and jackets
- Gloves and boots
- Lights and torches
- Weights
- Dive Helmet Accessories
- Diving Books and Manuals
- Medical Kits



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DIVER ELECTRONICS

SMP stock a range of electronics to use to monitor, communicate, and assist with diving operations. We are distributors of C-Tecnic, Amron, and Outland products.

Our engineers are trained with these systems and we can configure these before despatching to customers. This allows the systems to be plug and play for the clients.

Our diver electronics range includes:

- Video systems
- Communication systems
- Cameras
- Dive Lights
- Gas Analysers
- ROV



DIVER TOOLS

Perfect for a range of different underwater operations and subsea engineering, we work with major brands to stock the best equipment.

Our diver tools range includes:

- Cutting and Welding tools
- Hydraulic Tools
- Lift Bags, Magnets
- Hot Water Machines
- Dive knives
- Hull Cleaning Equipment



AUTHORISED DISTRIBUTOR

COLTRI
THE ITALIAN COMPRESSOR

KIRBY MORGAN

INTERSPIRO

SUBSALVE USA

WORTHINGTON INDUSTRIES

Avelair
compressed air & gas solutions

ANALOX

CORTLAND

STANLEY

AMRON INTERNATIONAL
EVERYTHING UNDER PRESSURE

C-Tecnics
subsea equipment

TESCOM

Fibron

Speciality Welds

OTS

Tungum
PROVEN PERFORMANCE

BIRNS

Parker

OUTLAND TECHNOLOGY

Nuvair
Compressed Gas Solutions



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LAUNCH AND RECOVERY (LARS)

Our range of basket and bell Launch and Recovery Systems (LARS) features a great selection of equipment types to best suit your needs. Designed to sit on the deck of a vessel or barge, these products are easy to use and provide reliable performance when it's needed most. SMP's LARS are currently in use worldwide in many different sectors.

SMP's LARS are IMCA D023 and D018 compliant and have design approval to Lloyds' rules for lifting appliances in a marine environment. Our systems can also be constructed under survey to stipulated standards, rules and regulations.

Our LARS folds down to allow it to fit into a standard ISO shipping container thus expensive shipping costs for out of gauge size goods are avoided. This also allows for safe storage and protection of the LARS from the elements during periods when the equipment is not required operationally.



Our Launch and Recovery range includes:

- Diver Twin Basket Launch and Recovery System
- Diver Single Basket Launch and Recovery System
- Diver Wet Bell System

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DIVER HOT WATER MACHINES

The SMP ‘OF’ Range of diesel fired Hot Water Machines include Single, Double and Triple burner units that have individually controlled heat exchangers and 60 litre hot water receivers. The systems are designed for surface diving operations, by both commercial and military divers.

The units maintain an automatic digitally controlled temperature to within + or - 1°C and will support diving operations from single Diver operations including the standby Diver through to 3 / 4 Diver Wet Bell operations to 100m.

The water supply can be either via a stainless steel submersible pump or inbuilt pumps depending on the client’s specific requirement.



Technical Specifications:

- Flow (per Burner Unit): 7 GPM / 28.3
- LPM per Burner Unit Pressure (per Burner Unit): 10 Bar / 150 Psi
- Submersible Pump Unit: 20 Bar / 290 Psi In-Built Pump Unit





DIVING DECOMPRESSION CHAMBERS

Our chambers can be designed to be free standing or installed into a Container for ease of mobilisation. We can design and build diving decompression chambers and related equipment to meet your individual requirements. Our extensive range of optional add-ons and products ensure we can offer a comprehensive solution to all our clients.

SMP's chambers are available as standard in diameters of 1.5m, 1.8m and 2m. Other sizes can be accommodated as required. Each chamber's internal and external pneumatic outfits are finished to the highest standards, featuring stainless steel, brass and Tungum® alloy pipe work.









Options for our Chambers include: –

- BIBS
- Hyperbaric Chamber Lights
- Caisson gauges
- CO2 Scrubber
- Heating/Cooling options
- Hyperbaric Fire Extinguishers Fire Resistant Mattresses & Bedding
- Sound Powered Telephones Communications System

And more...

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DIVE CONTROL

We design and manufacture a range of insulated dive control containers including 10ft and 20ft container options. The containers can include custom air, nitrox and mixed panels depending on your requirements together with safety equipment, diver equipment storage areas for umbilicals etc, communications systems and much more.

As diving practices and advancements take place, working practices and conditions are continuously being improved. The SMP Containerised Dive Systems are a major step forward. The advantages of a containerised system include:

- Ease of mobilisation
- Security
- Storage of all equipment
- Custom built to operators requirements
- Protection from environment
- Transportability
- Extended equipment life
- Modern working conditions
- Efficiency
- Clean video and computer work areas

SMP's most popular Containerised Diving System is the 20' ISO container which includes a 1.5mtr/60" Twinlock Decompression Chamber.

These Containerised Dive Systems can be fully insulated and air conditioned with additional personnel doors, viewing windows, steel lockable workbench and diver's surface supply control panel.

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Container Options

- Diver Monitoring System inluding Comms and Monitors
- On Board HP Air Storage
- Umbillical Storage Racks
- Heating and Air Conditioning
- CCTV & Deck Comms System
- Subsea Welding Rig Switch
- LED Strip Lights with Emergency Battery
- Fire Extinguisher
- 230V, Single Phase, 50 Hz





MACHINERY CONTAINERS

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All our machinery containers are designed and built bespoke to your specifications. Options and features include:

- Hydraulic power packs
- Subsea tooling
- Underwater cutting and welding equipment
- Nitrox compression
- Membrane filtration
- Anti-slip flooring

…and much more.

Our containers are available in 10ft, 15ft and 20ft sizes in ISO or DNV 2.7-1 standards. Other sizes available on request.

In addition to these standard offering, SMP can provide many other features and fit outs. This allows us to deliver an all-encompassing solution that represents outstanding value for money.



Machinery Options

- Range of HP Compressors
- Range of LP Compressors
- Range of LP Air Receiver Sizes
- HP Air Storage
- HP Charging Panel
- HP to LP Reduction Control Panels
- Range of Environmental Control Units
- Filtration
- Electric Hot Water Machine
- Domestic Utillity Machinery
- Welding Rigs
- HPUs

And more...





DIVING TRAILERS

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SMP offers mobile and portable diving systems including fully fitted diving trailers to suit the individual client's requirements. Dive trailers are also a cost effective option with minimal mobilisation costs. Our dive trailers can also be lifted into hard to access locations.

SMP can fit-out portable trailers to make a mobile diving system with bespoke configurations for remote diving scenarios. A mobile / portable dive system can be used in the place of a complete conventional surface supplied diving system where access for a full system is restricted or not possible.

SMP are able to design a system around the customer's specific needs and requirements.



Our trailers can be fitted with:

- Breathing air compressors
- 2 or 3 diver panels
- CCTV
- Gas storage
- Umbilicals
- Power generators
- Fire extinguishers
- Communications systems

And much more.



COMPRESSORS

SMP have been supplying and serviciing breathing air and gas compressors for over 37 years. Our range of compressors includes:

- HP Compressors
- LP Compressors
- Nitrox Compressors
- CNG Compressors
- Booster Compressors

Our range of compressor have been used in industries such as scuba diving, commercial diving, emergency services, paintball and airsoft, medical, and military. We have experience in configuring compressors to work in all these industries. We can also include them as part of large scale systems such as machinery containers, gas generation systems, and more.

SMP are official distributors for Coltri Compressors and Avelair Compressors. We stock these brands compressors, consumables, accessories, and spare parts.

We are also a service centre for Coltri Compressors and can perform maintenance and servicing on these compressors.

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AIR PURITY TESTS

One Time or Annual Subscription

Our air purity service can be purchased as a one time test or an annual subscription.

The annual subscription includes 4 services per year, and is cheaper overall.





NITROGEN GENERATION

SMP offer Nitrogen generation systems that are bespoke to the client's needs. The systems are customised to work within a defined space.

Nitrogen generators produce nitrogen gas from compressed air and offer a cost effective, reliable and safe alternative to traditional nitrogen gas supplies such as cylinder or liquid. Nitrogen generators are available in 20 standard models with capacity in the range from 1 – 1800Nm³/hour from 95% to 99.9995% purity.

They offer all of the advantages of a fully integrated nitrogen generator plant. The continual measurement and monitoring of all operating values offers the highest possible protection for the whole production process. All measured values are logged and displayed on the touch control panel and are also available for further processing via the remote control operation.



Nitrogen can be used in a variety of different industries including:

- Laser cutting
- Steel
- Plastic
- Electronics
- Health/Medical
- Glass
- Food and Drink
- Chemical





BIO-METHANE REFUELLING STATIONS

An easy to use biofuel generation system, the BMRS is aimed at the agricultural industry. This system uses the methane gathered from farm slurries to purify and generate a biofuel. Tractors and other equipment with biofuel tanks can refuel at the BMRS with a lower cost per litre than diesel and petrol.

As more farmers move away from using diesel, these Methane Refuelling Stations offer a cheaper, on demand fuel alternative. The BMRS will allow farmers to create a new waste economy and potentially add a new revenue stream.

The BMRS is modular and elements can be added to the system to fulfil the needs of the client. One of these addons is the Field Charging Unit, which adds a portable cylinder quad to allow for quick refuelling in the field.



The benefits of using the BMRS:

- Good return on investment
- Bio-Methane on demand
- Self contained and fully modular system
- Proven technology
- Sell excess high value biofuel back to the grid
- Reduce Greenhouse Gases emissions
- Perfect for livestock farms

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METHANE REFUELLING STATIONS

The MRS is our methane refuelling station that purifies methane taken from the grid. This system allows for fuel-on-demand at a cheaper cost per litre than diesel and petrol.

An easy to use system that is built to be plug and play. The MRS is able to refuel any vehicle designed for biofuel. Already used by key names in the agricultural industry, the MRS has proven itself at providing a cleaner and cheaper energy source for farmers.

The MRS is modular and elements can be added to the system to fulfil the needs of the client. One of these addons is the Field Charging Unit, which adds a portable cylinder quad to allow for quick refuelling in the field.



The benefits of using the MRS:

- Good return on investment
- Methane on demand
- Self contained and fully modular system
- Proven technology
- Reduce Greenhouse Gases emissions

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LIFE SUPPORT PACKAGES

The Transportable Life Support Package (LSP) is for use in remote locations as a basic shore based reception facility to support the Self Propelled Hyperbaric Lifeboat (SPHL) or Hyperbaric Rescue Chamber (HRC) services after evacuation from the mother Vessel.

The LSP can additionally be located offshore on a field supply vessel or other structure capable of handling both the SPHL HRC in evacuation mode and the LSP as a reception facility subject to the required support services being available for operational use of the LSP.



Our Life Support Packages can include:

- HP/LP Compressors
- Nitrogen Compressors
- Oxygen/Nitrogen Generation systems
- Gas Control Panel
- Gas storage cylinders
- Umbilical storage
- Hot Water Machines

And more...

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MIXED GAS & AIR CONTROL PANELS

SMP is an experienced provider of Diver Panel design and manufacturing services. Our talented team can build bespoke panels to suit your individual recommendations. With products including air diver control panels, mixed gas diver control panels and nitrox diver control panels available we're sure to be able to meet your needs.

Our panels conform to relevant Association of Diving Contractors (ADC), Health & Safety Executive (HSE), International Marine Contractors Association (IMCA) and Oil and Gas Producers (OGP) guidelines, reinforcing their quality and reliability in even the most challenging conditions and environments. We are pleased to offer a full service from conceptualisation to delivery.



SMP offer a range of different panels including:

- 1-3 Diver Panels
- High Pressure Panels
- Low Pressure Panels
- Mixed gas panels
- IMCA compliant panels
- Pelicase-fitted panels
- Wall mounted panels

And more...

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PSA PLANTS

(Pressure Swing Absorption)

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Our state-of-the-art Pressure Swing Absorption (PSA) Plant, where we specialize in delivering efficient and reliable gas separation solutions. With our cutting-edge technology and unwavering commitment to excellence, we are proud to be a leading provider of PSA systems for various industries.

Our PSA Plant is equipped with advanced process controls and automation systems, which ensure precise monitoring and adjustment of critical parameters. This level of control enables us to optimize the separation process, maximize efficiency, and minimize energy consumption. Additionally, our state-of-the-art safety features guarantee the well-being of our personnel and protect the integrity of the system.

Whether you require nitrogen, oxygen, hydrogen, or any other purified gas, our PSA Plant offers exceptional versatility. It can be customized to cater to a wide range of flow rates, pressures, and purity levels, meeting the unique requirements of your application.

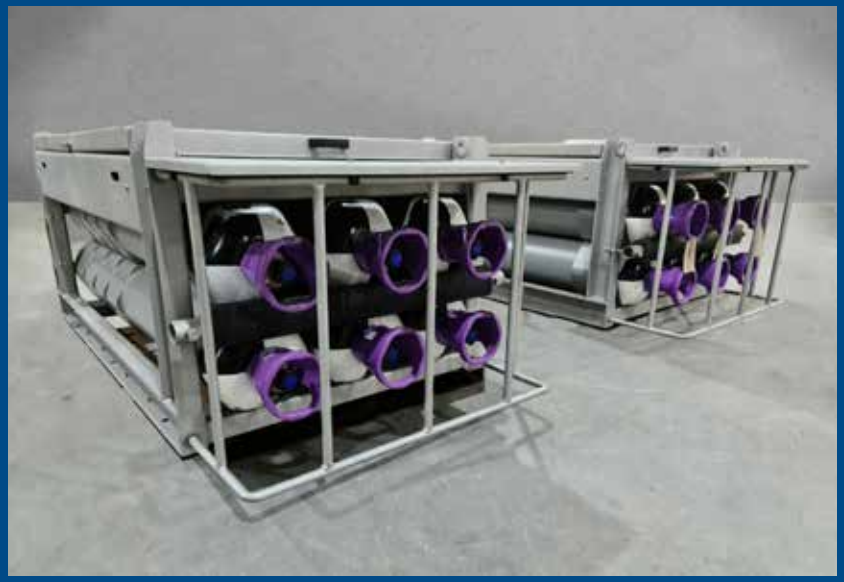


Benefits of our PSA Plant systems are:

- Oxygen/Nitrogen at any time and at any place
- Cost-effective through low operating costs
- Sophisticated and reliable technology
- Exact purity for every application
- No rental commitments as with bottles/ bundles and tank systems
- No CO2 pollution for the environment
- No hazardous goods
- No risk of explosion
- In-house placement and production

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GAS STORAGE SOLUTIONS

At SMP, we are dedicated to providing you with top-of-the-line gas storage solutions that meet the highest standards of quality, reliability, and performance.

With over 37 years of experience in the industry, our team of experts is ready to assist you in finding the perfect gas storage solution for your unique requirements. We offer comprehensive support, including installation guidance, maintenance tips, and prompt customer service to address any concerns.

We understand that every diver and diving operation has distinct needs. That's why we offer customizable gas storage solutions tailored to your specifications. Whether it's sizing, configuration, or special requirements, we work closely with you to create the ideal solution for your diving adventures.



Our Gas Storage Solutions include:
High Pressure Cylinder Storage
Gas Storage Banks
Portable Gas Storage Solutions

SMP can supply gas storage banks as freestanding or built within machinery containers, dive trailers, and more.

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SPECIAL PROJECTS



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SMP pride ourselves on providing bespoke solutions for our clients. With an inhouse team of experienced and qualified engineers, we can manufacture and modify systems to work in unique ways to fulfil clients' requirements.

Our bespoke range of systems includes:

- Containerised Diving Systems
- Hyperbaric Reception Facilities
- Launch & Recovery Systems
- PSA Plants
- Saturation Diving Systems
- Mobile Diving Systems

And more...

Over the 37 years of SMP, we have made bespoke systems to work in an array of different industries. We have completed projects for navies, governments, and private organisations from across the globe with no two projects being the same.



SATURATION DIVING SYSTEMS



HYPERBARIC MEDICAL / THERAPY CHAMBERS



TUNNELLING CHAMBERS



SUBMARINE RESCUE SYSTEMS

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SATURATION DIVING SYSTEMS

Saturation Diving Systems saturation diving equipment supplied for projects by SMP are designed built certified maintained and operated in accordance with International Maritime Contractors Association (IMCA) Guidelines and Codes of Practice for offshore diving operations.

All systems are portable able to be mobilised on to support vessels and construction barges to support offshore construction and inspection diving works

SMP provides competitively priced Saturation Diving Systems are industry proven and can be produced as a standard portable system for deck mounting or permanently mounted system to be built into a vessel at its construction stage.

SMP can provide a complete design and build service in support of your subsea projects.



Saturation Diving Systems often include:

- Decompression Chambers
- Submersible Diving Chambers
- Launch and Recovery Systems
- Control Rooms
- Gas Management and Gas Generation systems
- Life Support Packages

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HYPERBARIC CHAMBERS

SMP Ltd have a long and established history of designing & manufacturing Hyperbaric Chambers for use in the Commercial Diving Industry. The expertise and knowledge gained from the Diving Industry has been transferred into a range of HBOT Chambers that are comfortable, simple to use and affordable.

Our talented and experienced team has developed a range of modern, state-of-the-art hyperbaric chambers are capable of all medical Hyperbaric Oxygen Treatments (HBOT) and provide maximum comfort to patients and operators. Designed and manufactured at our premises in the UK, our hyperbaric oxygen chambers offer the latest technology and a sleek modern look that would fit into any hospital, medical centre or clinic worldwide.



Options for our Hyperbaric Chambers include:

- Chamber CCTV monitoring system
- Chamber communication system with back-up (sound powered phone)
- Entertainment system
- Oxygen analyser/CO2 analyser
- Pressurisation and de-pressurisation controls
- Chamber flushing control valve
- Internal pressure indication gauge from the main compartment
- Oxygen selection valves

And more...

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HYPERBARIC RECEPTION FACILITIES

SMP manufacture Hyperbaric Reception Facilities (HRF) and Life Support Packages which are designed in house, all compliant with the latest IMCA guidelines and can be approved by classification societies before construction begins.

Using only high quality component parts, we build a Hyperbaric Reception Facility that reflects your requirements, specifications and design preferences. SMP's Hyperbaric Reception Facilities are available with up to 300 MSW rating.

Our HRFs offer a practical hyperbaric rescue solution for operators working in remote locations.

SMP Ltd is a leading supplier of subsea and diving apparatus, delivering outstanding solutions to organisations worldwide. We also construct all our related products to stipulated standards, rules and regulations.



Why choose SMP for HRF systems:

- Unrivaled Quality and Durability
- Tailored to Your Needs
- Seamless Integration
- State-of-the-art features
- Cost-Effective Solution
- Compliance and Certification

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TUNNELLING CHAMBERS

We are expert providers of Hyperbaric Chamber Technology to clients in the Tunnelling & Construction Industry. Our Custom Designs and Builds for the Tunnelling Industry are specifically completed to suit demanding environments where work must be completed underground. From refuge chambers to locks, we offer a wide range of products to best meet your needs.

Our related products include refuge chambers, hyperbaric chambers, shuttle chambers, tunnelling locks and more. All our products are built to industry standards and quality checked before they leave our premises.

SMP's expert engineers have previously met specific requirements for several underground operators, including those in the construction industry. We can integrate third-party equipment as well as design and construct our own products to meet set performance criteria.



Our tunnelling chambers include:

- 0-10 Bar/MSW Gauges & 0-2.4 Bar/ MSW Therapeutic Gauge
- 0-400 Bar HP Gauges & 0-30 Bar LP Gauges
- Communications Radio & Sound Powered Phone
- Oxygen & Carbon Dioxide Analyzer with Flow Meter with High and Low sample
- Vessel Over Pressure Relief Valves
- Suitable service control valves
- Tungum Pipe Work
- Oxygen Overboard Dump Masks

And more...

SUBMARINE RESCUE SYSTEMS

SOLUTIONS THAT SAVE LIVES

In the event of a submarine becoming in distress or disabled, urgent critical support needs to be made available through the use of a number of systems and methods. SMP's innovative Submarine Rescue Systems represent the pinnacle of subsea engineering, providing a crucial lifeline to submariners in emergency situations. From surface supporting DISSUB Ventilation, Submariner Free Accent Recovery and Recompression, Transfer Under Pressure Decompression Arrays (TUP) to subsea Remotely Operated Vehicles (ROV), free swimming Submarine Rescue Vehicles (SRV) and Atmospheric Diving (ADS), our specialist equipment represents a critical aspect of submarine operational safety.

For the rescue of the submariners, various escape infrastructures are installed within the submarine so to provide a means of Free Accent or alternatively a capability of Transfer Under Pressure (TUP) via a rescue vehicle. TUP Systems are available complete with Submarine Rescue Vehicles (SRV) for the transfer of occupants from the DISSUB to a ship based decompression complex.

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ONE OUT, ALL OUT



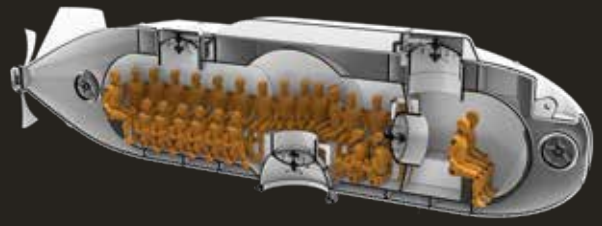


SRV-F MK 3 (Submarine Rescue Vehicle)

Introducing the new submarine rescue vehicle, from the team that created LR5 and the DSAR range of rescue vehicles.

The SRV-F Mk3 is a free swimming manned submersible capable of untethered rescue operations to depths over 500m. This SRV is operated by 3 crew members and has a rescue chamber capacity of 50 submariners per dive.

Connection to the DISSUB is achieved by the NATO ANEP MNEP 85 / 85.1 compliant mating skirt complete with innovative soft seal capable of mating to the DISSUB at angles up to 45 degrees.



Displacement : 50 Tonne
Battery : Advance Lithium polymer technology
Transfer Under Presures (TUP) Capabilites : @ 50 msw
Compaitble with LARS System : Up to 3.5m signficant wave height
Battery Endurance : ≥ 12 hours (normal operation)
Equiped with Emergency Surfacing Methode : Yes
Through water speed (own propulsion) : 3 knots
Max towing speed : 7 knots
Air Transportable : A400M Aircraft





SUBMARINE EMERGENCY VENTILATION AND DECOMPRESSION SYSTEM (SEVDS)

The Submarine Emergency Ventilation and Decompression System (SEVDS) is a surface supplied umbilical linked system with the primary objective of sustaining life on a distressed submarine (DISSUB).

The system will continually monitor and control the atmospheric conditions of the DISSUB through the process of sampling and analysing the contents of the DISSUB to determine the required atmosphere control methods required being exhausting the contents, supply of breathing air from the surface to the DISSUB to stabilise levels of oxygen and carbon dioxide, flushing contaminated atmospheres, managing the internal pressure of the submarine and maintaining a safer environment for the occupants of the DISSUB. The system can be rapidly deployed to the location of the DISSUB and connected to the submarine by ROV, ADS or diver intervention.



The major components of the SEVDS are:

- Control Container
- Machinery Container
- Umbilical Winch Package
- Subsea Control Module (SCM)
- 2 x 16 Cylinder HP Air Quads

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TRANSFER UNDER PRESSURE AND DECOMPRESSION CHAMBER

The TUP Diving System is a mobile and modular system that can be mobilised on a DPII support vessel, platform, rig or construction barge. The system is designed for moon pool or over the side operations. Using Trimix or Nitrox gas mixtures will allow longer duration in-water bottom time at greater depths than using air diving techniques which cause longer inwater and decompression practices.

The system is equipped for air diving and mixed gas diving and the clump weight also incorporates a tool basket for the divers. A hyperbaric float away chamber is optional. This compact modular system consists of a 3 man 4.7m3 saturation diving bell, diver's gas control panels (air/mixed gas), main Bell/Diver control panel, twin lock decompression chamber, single lock decompression chamber (optional), HP and LP compressors, gantry launch and recovery system.

By providing a closed bell system the divers are transferred in a protected environment. Safety is increased by removing the threat of Nitrogen intoxication. This is achieved by making sure at no point is the diver exposed to atmospheric pressure during decompression.

Benefits of our TUP Systems:

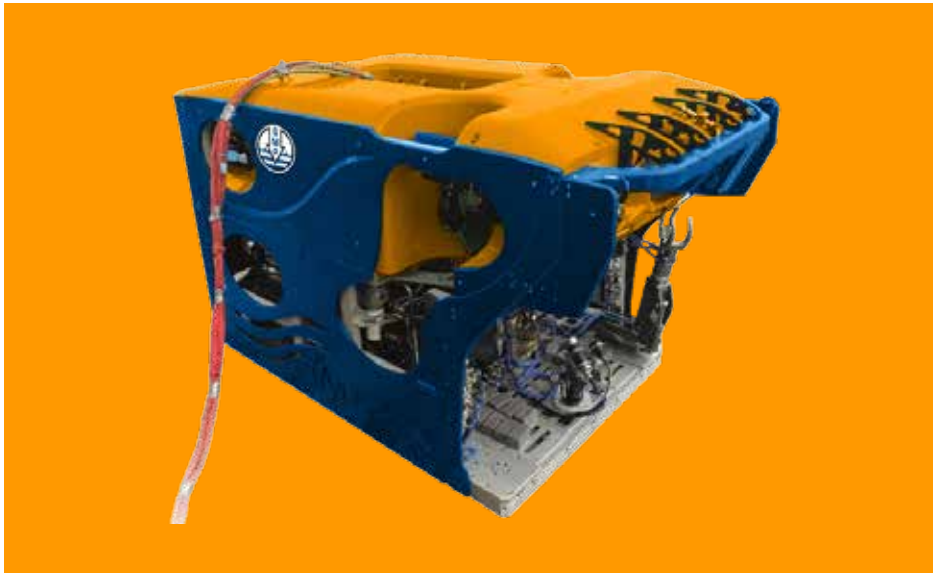
Safe - No surface decompression interval, protected transfer to and from the splash zone

Proven - An enhanced proven solution that increases workable bottom time

Future Proof - Upgradeable to Saturation Diving Capability (Future Proof Capability)

Cost Effective - The system provides cost effectiveness through increased bottom times for the divers

Mobile - This modular system can be easily transported and mobilised in 24 hours providing fast turnaround for offshore operations on any suitable vessel



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MULTIROV SR

SMP can supply a wide selection of ROVs to suit client specific requirements. In the case of Sub Rescue a work class ROV will be preferred to carry out applicable duties needed for DISSUB location including:

- Site survey
- Debris clearance
- SEVDS Connection
- ELSS Pod Posting
- Site preparation for full manned intervention
- SEVDS assistance
- Assisting the rescue system

Based on well-established CSS ROV technology, the SMP MultiROV SR is configured for ELSS (Emergency Life Support Stores) pod posting duty, support to inspections, rescue seat debris clearance and ventilation to DISSUB (Distressed Submarine) hook up operations. As standard, the system can accommodate a comprehensive suite of navigation sensors, LED lighting and Cameras with optional 4k video & Gigabit Ethernet capabilities.

The SMP MultiROV SR high performance and compact design makes it the ideal choice for Navy's looking to increase the probability of a successful rescue outcome.

Specifications:

- Weight in the air: 4500 Kg
- Payload: 250 - 300 Kg
- Dimensions: L 3000 x W 1900 x H 2000 cm
- Hydraulic Propulsion: Kawasaki pump (140cc)
- Suitable Media: Environ MV32, Tellus 32, Panolin
- Max Flow / Pressure: 250 L/pm @ 240 Bar
- Forward speed >3.5 Knots
- Thrust (Lateral): 1145 kgf
- Thrust (Vertical): 1174 kgf

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ONE OBJECTIVE

RAPID DEPLOYMENT TO SAVE LIVES

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SERVICES

TRAINING CENTRE

We host a variety of different training courses from our purpose built onsite training centre.

SMP are an authorised Kirby Morgan DiveLab training centre, allowing us to offer training courses for Kirby Morgan products.

The courses we offer include:

- Kirby Morgan Maintenance and Repair Technician Training
- Diver Panel operation and maintenance courses
- Compressor maintenance courses

SERVICE CENTRE

SMP Ltd offers a full range of Compressor Spares, Accessories and Consumables for Coltri Compressors. We can supply complete service kits for the Coltri range of compressors includes: air filter, head gaskets, complete valve plate, non-return valve and oil.

Most manufacturers insist on original spares being fitted to maintain extended warranties. Please contact us for genuine parts direct from the manufacturer.

We also offer Servicing and Repairs on all Coltri Compressors with our team of highly qualified engineers trained by Coltri.

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compressed air & gas solutions

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