



JFD are world leaders in the provision, operation and support of complex diving and underwater systems.

JFD is the world's foremost provider of submarine rescue capability and an established provider of submarine escape training. JFD also offers products and services related to submarine abandonment. For our special operations and MCM customers we provide an extensive portfolio of underwater breathing apparatus and a range of swimmer delivery vehicles.

JFD's Divex-brand saturation dive systems and rebreathers continue to set the industry standard for quality and reliability. JFD's products and services have been delivered to more than 80 countries on six continents.

A world leader in diving equipment technology, our vision is to be the unrivalled first choice of international underwater operators for diving equipment, support services and technology.



Health & Safety

Health and Safety is an important factor in all our activities. We carry out all our work in a manner that shows consideration for our own employees, our clients, contractors and other parties. Our goal for health and safety is for no accidents, incidents or harm to come to people.

We also recognise that JFD can impact on life support systems and therefore ensure that they can always be used safely. The management and control of risk, prevention of harm and compliance with legal and similar requirements are essential to the success of our business. Our Health and Safety policy complies with the requirements of BS OHSAS 18001 and HS[G]65.

Environment

We strive to minimise any impact we may have on the environment. We have in place an environmental policy to help reduce and eliminate potential harm to the environment from our work or employees. Our management system complies with the requirements of ISO 14001.





People With Commitment

We operate on a global basis and have a simple goal which applies wherever we operate – to avoid any harm to either people or the environment. We have implemented a number of processes and procedures aimed at delivering this, including a detailed Safety Management System.

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Continual Innovation

Through continual innovation, we are fully committed to optimising the quality and safety of our products – and indeed the safety of our employees and clients. A Quality, Health, Safety and Environmental Management System operates throughout our business – and this has benefited the safety and efficiency for all who dedicate their lives to the underwater world.

Quality Assurance

Our Quality Management System is certified by Lloyds Register Quality Assurance (LRQA) to BS EN ISO 9001:2008.

Many of our products also meet the requirements of various independent directives, including Personal Protective Equipment [PPE], Medical Directive [MD] and Pressure Equipment Directive [PED]. Certain JFD designs are also approved against particular codes or standards such as BS 5500 and ASME.





Innovation With Quality

Our investment in an extensive test and development programme underpins and strengthens our reputation for innovation, the commitment of our people, and the quality of our support services.

Commercial Diving

Our commercial diving expertise and engineering facilities permit an ever more diverse range of specialist solutions to meet specific client requirements. We continue to strengthen our traditional role within the offshore diving industry, pioneering innovation to support safer and more economic diving operations worldwide.





Defence Diving

Our defence diving expertise encompasses a diverse range of diving disciplines ranging from Saturation Diving, Submarine Rescue, Mine Disposal to Maritime Special Operations. Each discipline is a profession in its own right that requires mission specific life support systems, ancillary equipment and training.

Commercial Diving

We are the world's largest manufacturer and supplier of professional diving equipment. We provide professional divers with:

- Camera & TV Systems
- Chambers, Hyperbaric & Life Support
- Communications
- Compressors, Panels & Umbilicals
- Cutting, Welding & Diver Tools
- Diving Suits & Accessories
- Gas Reclaim Equipment
- Gauges
- Helmets, Masks & SCUBA
- Kinergetics Environmental Control Equipment
- Lighting

CASE STUDY #1

SATCON

Saturation Diving Control System

JFD is at the forefront in development and manufacture of Saturation Diving Control Systems. Satcon is a computer based control system, providing automation of life support equipment and the hyperbaric environment including pressure control.

We work closely with our clients ensuring that all aspects of any design and build are integrated successfully.



CASE STUDY #2

IBEEV

Ice Breaking Emergency Evacuation Vessel

As a result of JFD's ground breaking technology in the development of breathing systems, we have provided BAS [Breathing Air Systems] and CAS [Combustion Air Systems] for the IBEEV which is designed to carry out the emergency evacuation of personnel from offshore locations.

The BAS equipment consists of personal CO₂ scrubber sets, oxygen generating candle equipment and an oxygen delivery cylinder. The CAS equipment feeds combustion air to the vessel's diesel generating sets using a novel Engine Demand Valve [EDV] based on Divex's UltraFlow divers demand valve.



CASE STUDY #3

Saturation Diving Systems

The benchmark for JFD systems is that they can sustain the harshest of environments – and they don't come much harsher than the North Sea. JFD systems are built to last, and this is borne out by the fact that a significant number of the systems in service worldwide have been designed and built by JFD.

Current projects consist of 12, 18 and 24-man saturation systems that include computer-based control systems and a huge expansion in ergonomically designed diver habitats.



CASE STUDY #4

Chambers, Hyperbaric & Life Support

JFD continues to provide a diverse range of Chamber, Hyperbaric & Life Support products and systems to meet the challenges of the diving industry. These include advanced diving products such as the Ultralite 2 BIBS Mask, Hyflex Hyperbaric Fire Extinguisher and Analox range of Gas Monitoring equipment.

Our world-class design expertise and engineering facilities ensure JFD chambers and diving systems are manufactured to international or nationally recognised standards including PD5500, ASME PVHO, and TUV.

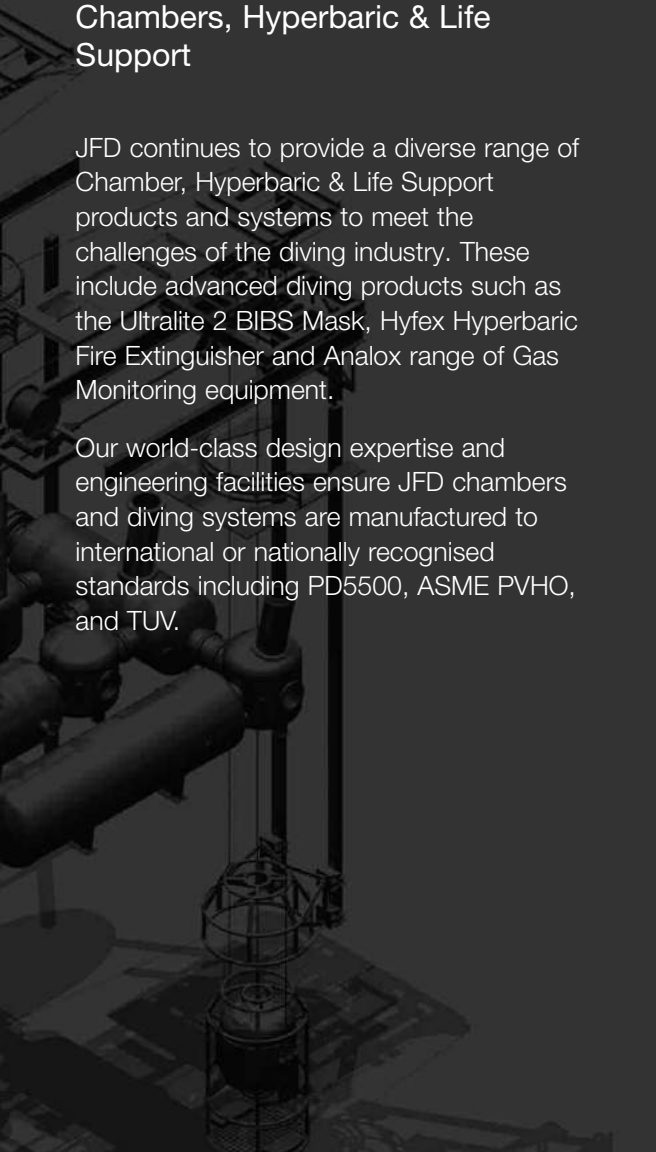
CASE STUDY #5

NSRS

TUP NATO Submarine Rescue System – Transfer Under Pressure

JFD has delivered world-class diving technology to form part of a rescue system known as the NSRS, capable of rapid world deployment in the event of a submarine accident. Our TUP System allows for the transfer of up to 72 rescuees in two-double lock chambers and one transfer lock.

Our tough, high tech, air transportable saturation system utilises advanced electronic remote operation and monitoring systems for the first time. Designed, manufactured and tested under Lloyds Register survey, it is classified for unrestricted operation worldwide.



CASE STUDY #6

CDLSE

Clearance Divers Life Support Equipment

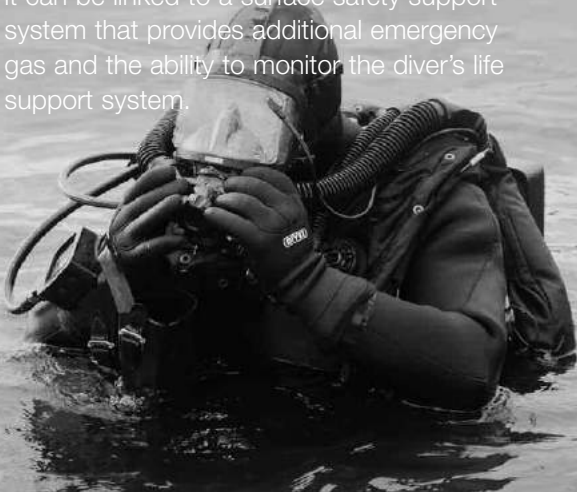
The Divex Stealth CDLSE mixed gas Closed Circuit rebreather is the most advanced military underwater life support system in the world. A compact, electronically controlled mixed gas rebreather, it is capable of being used in multi-mission diving operations ranging from the clearance of sea mines to special operations. The low acoustic and non-magnetic design surpasses all related NATO standards.

The CDLSE incorporates a secondary contingency breathing system for emergency use and is capable of operating using different gases. For deep diving operations it can be linked to a surface safety support system that provides additional emergency gas and the ability to monitor the diver's life support system.

Defence Diving

At JFD we have extensive experience of supplying the defence sector worldwide. Our portfolio of defence diving solutions includes:

- Containerised Dive Systems
- Decompression Systems
- Mine Clearance
- Salvage & Engineering
- Saturation Diving
- Search & Rescue
- Special Operations
- Submarine Rescue
- Remote Mine Recovery OARS
- Diver Underwater Communications DTWC
- Swimmer Delivery Vehicles



Test, Development & Production

A team dedicated to ongoing test and development of underwater technologies are working on a diverse range of systems that will be the benchmark for quality and advancements in technology within the industry:

- 40,000 litre dive test tank
- Breathing laboratory with a 600 msw simulator
- Magnetometer range
- O₂ clean workshops and machining capabilities
- Environmental test chamber

Long Term Client Support

In-service support to complement and support our clients worldwide forms part of our longer term strategy and our continuing capital investment in additional facilities, specialised personnel, increased stock levels.





Engineering Expertise

Engineering design expertise and product and project management software will enable us to continue to meet the demands of this exciting and challenging industry now and into the future.

Comprehensive Training

We provide expert training in the operation and maintenance of defence, commercial and hyperbaric equipment. We deliver this through an extensive range of set courses and tailored training.

Our dedicated training facility includes two multimedia suites and a 3.5 metre dive tank, as well as a number of operational workshops and a test laboratory – in short, everything required to promote competence.

Expert Consultancy

A wealth of knowledge and experience is available for consultancy, feasibility studies and appraisals. This considerable body of experience, coupled with our engineering expertise and in-house computing facilities enables us to provide a full package of consultancy services.

Consultancy Services

- Technical and safety audits
- Surveys
- Conceptual design and studies
- Build specifications and pre-engineering design
- Conversion specifications
- Site representation, quality assurance and commissioning
- FMECA and HAZOPS



Your First Choice

JFD is the first choice in diving technology, products and support services worldwide. With a heritage of excellence, we have established an unrivalled reputation for high quality craftsmanship, inspired innovation, cost-effective solutions and customer service.



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