

JFD wins significant Indian Navy Submarine Rescue contract

JFD has been awarded a major contract worth £193m by the Indian Navy for the provision and long term support of its submarine rescue capability.

The contract includes the design, build and supply of two complete submarine rescue systems, and a 25-year all inclusive annual maintenance contract. This further enhances JFD's worldwide submarine rescue service presence following last year's announcement of the award of a £12.1m contract by the UK Ministry of Defence for operation of the NATO Submarine Rescue System (NSRS). This additional contract means JFD will be delivering submarine rescue services to six of the most advanced navies in the world, confirming the company's leadership in this elite niche.

JFD will provide two complete fly-away submarine rescue systems, including Deep Search and Rescue Vehicles (DSRV), Launch and Recovery Systems (LARS) equipment, Transfer Under Pressure (TUP) systems, and all logistics and support equipment required to operate the service. The equipment will be designed, manufactured, integrated and tested by JFD prior to shipping to India for final commissioning and trials. The service support will be managed in country by a team of experienced JFD engineers. Over the life of the contract, the JFD team will train local teams of engineers to maintain the systems, employing the knowledge it has gained through years of operating world-class submarine rescue services with navies across the world and creating an indigenous expert submarine rescue capability. The service contract allows JFD to share best practice, expertise and commonality of approach, which will serve to benefit the entire global submarine community.

The twin Indian systems draw on JFD's extensive experience of manufacturing and operating submarine rescue systems and will be JFD's first third-generation rescue systems. The innovative system designs and tightly integrated components will ensure Time-to-First-Rescue - the time measured between deployment of the system and commencement of the rescue itself - is minimised. The systems are heavily optimised for ease of transport and speed of mobilisation to a Vessel of Opportunity. These advancements demonstrate JFD's commitment to continual improvement of the operational capability of its submarine rescue services worldwide and serve to increase the likelihood of a successful rescue operation.

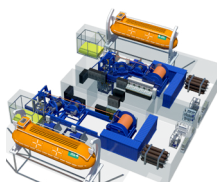
Giovanni Corbetta, Managing Director of JFD, said:

"It is essential to the safety of submariners across the world that submarine rescue services are not just fit-for-purpose, but world class in capability, upholding the highest standards in safety and quality. The decision to entrust JFD with the supply of two submarine rescue systems is testament to the breadth and depth of our engineering expertise, and the diligence with which our submarine escape and rescue teams deliver these services."



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JFD Secures multi-million pound sat system contract



Design and build of two 12-man saturation diving systems for Shanghai Salvage

JFD acquires design and manufacturing company - LEXMAR



Bringing JFD to the forefront of diving equipment and saturation diving system capability

JFD carries out demonstration for Special Operations unit



Showcasing the capabilities of JFD's 8-man swimmer delivery vehicle - SEAL Carrier

JFD and Wuhu Diving Equipment Factory sign joint venture to further strengthen presence in the Chinese market

JFD has expanded into the Chinese market through the signing of a joint venture with Wuhu Diving Equipment Factory (<http://chinadiving.cn>).

Wuhu Diving Equipment Factory is a subsidiary of Shanghai Salvage Company (SSC) and is the only factory in China specialising in the manufacture of heavy diving equipment.

The long term joint venture agreement brings the two companies together as Wuhu Divex Diving Systems Limited and is dedicated to the manufacture of advanced diving systems for the China market.

This joint venture allows JFD and Wuhu Diving Equipment to grow together within the Chinese underwater arena. As both have extensive track records of designing, manufacturing and installing diving systems, the partnership allows Wuhu Divex Diving Systems to provide a strengthened comprehensive offering.

JFD Managing Director Giovanni Corbetta states:

“We are thrilled to have partnered with a successful and experienced company such as Wuhu Diving Equipment Factory. This partnership will allow access to greater resources in China providing not just an economic benefit to the company but a stronger portfolio and capability. We are very much looking forward to operating as Wuhu Divex Diving Systems Limited within the Chinese sector.”



Front Row: Doug Austin (Director Asia Pacific, JFD) and Mr Hong (Director, Wuhu Diving) signing the joint venture agreement

Upcoming Exhibitions

Subsea EXPO

1-3 Feb 2017

Aberdeen - Stand 128

Underwater Intervention

21-23 Feb 2017

New Orleans - Stand 403

JFD is exhibiting at both Subsea EXPO and Underwater Intervention during February 2017.

Featured on both stands will be our brand new COBRA Diver Bailout Rebreather which has been developed in response to the urgent need for significant safety improvements in the saturation diving industry.

Contact us if you would like to arrange a meeting on our stand: marketing@jfdglobal.com
Hope to see you there!

Managing Director Giovanni Corbetta



Gio took on the role of Managing Director in August 2015. Gio is based at the Westhill office in Aberdeen. Despite the downturn and subsequent challenges this has brought to the industry, Gio has continued to successfully drive forwards JFD's growth and development. JFD has signed some major contracts during 2016 and he is determined to continue this success during 2017.

Gio is a chartered aeronautical engineer and started his career in the late 80s' as an Air Force Officer in the Engineering Corp looking after the Tornado aircraft. Following a short spell as one of the designers for the Typhoon aircraft engine he decided that the subsea world was more interesting than air. He became a Subsea Robotics Engineer and enjoyed few years designing systems and tools for use at great depths, where he earned the company two international patents, one of which is still utilised. Following three years in Norway, he moved to Aberdeen in 1996 where he joined the dark side, aka management! Gio held a number of different roles, all in the subsea contracting world: Proposals Manager, Project Manager, Engineering Manager, Operations Manager, Projects Director, Divisional Director for Europe, Middle East and Africa and finally Managing Director for two different subsea contracting companies before joining JFD.

When not pestering everybody at work or jetting off around the globe, Gio enjoys being at home and fixing the endless problems of his (170 year) old home as well as running (with and without his dog).

JFD acquires design and manufacturing company - LEXMAR

JFD is pleased to announce the acquisition of LEXMAR. Founded in 1996 in Singapore, LEXMAR specialises in the design and manufacturing of integrated and Modular Saturation Diving Systems, and is an established provider of diving equipment and services to the offshore industry.

The business, complementary to JFD's specialist technical division, is currently completing three 18-man twin bell saturation diving systems. They are in the process of undertaking installation and commissioning in China and will commence the third system in Singapore early 2017.

Giovanni Corbetta, JFD's MD, commented:

"We are delighted to welcome LEXMAR to the JFD family and are excited at the opportunities this presents to us, particularly within the Asia Pacific region. The addition of LEXMAR brings JFD to the forefront of diving equipment capability and saturation diving systems offering and support, and will further strengthen our vision to support our clients' core operations by offering market leading technology solutions and world class support."

Marieke Barker, LEXMAR's CEO, added:

"We are very happy to become part of the JFD family as this acquisition provides unique opportunities to grow. LEXMAR has come a long way and we are proud and thankful of what we have accomplished and ready to go to the next level with JFD. Together we are strong!"

JFD is currently completing two saturation diving systems and commissioning is underway in both Norway and Baku. With a track record spanning the last 35 years, the company's track record shows more than 100 systems built.

JFD looks forward to working as one team with LEXMAR to deliver the best systems and support to their customers.

Director - Asia Pacific Doug Austin

As Asia Pacific Director, Doug is responsible for business development in the whole



Asia Pacific region. Developing close relationships with both commercial and government clients in the region is Doug's main focus, ensuring JFD is able to offer technical solutions based on their current needs.

The region is growing rapidly, and a significant part of JFD's order book is generated in Asia Pacific. JFD recently acquired Singapore-based saturation diving company, LEXMAR. This acquisition improves the company's capability and offering of specialist diving equipment services, enhances the production capacity and customer support in this area, as well as strengthening our support to the Singaporean Navy for all activities related to submarine rescue. JFD has also recently entered into a joint venture agreement with a Chinese diving equipment manufacturer to form a company called Wuhu Divex Diving Systems Ltd.

Doug was instrumental in leading both the acquisition and joint venture endeavours in order to increase the region's capability.

Having graduated from Aberdeen University after studying English, Doug secured a job at Divex in 1987. In 1998, he emigrated to Australia as part owner of a new Australian diving equipment company. He re-joined Divex in 2003 to open the Asia Pacific office in Perth, which he ran until Divex was bought by James Fisher in 2013 and became JFD.



JFD invests in enhancements to popular Client Representative course

JFD is delighted to announce the launch of their newly updated Client Representative course, run by its National Hyperbaric Centre which now includes an additional module, expanding its relevance and practical application within the industry.

The course is designed to provide offshore project supervisors and managers with the relevant skills needed to become an effective and fully competent client representative.

One day out of the five day course will now be dedicated to the new 'Incident Investigation' module, based on the UK Health and Safety Executive Guidance note HSG 245. The module will take students through an interactive and participative day focussing on: why we investigate, what should we investigate, the elements of a successful investigation, the movement from crisis management to scene preservation, the collection of evidence, and how to get the best evidence from witnesses. The course will then look at closing out an investigation, completion of a Root Cause Analysis and the creation of SMART actions.

Laura Stewart, Head of Sales - Commercial Services:

"We are delighted to offer this new module which has been developed alongside Ian Birnie, Director at PERM Ltd, who has been training Root Cause Analysis for the past 4-5 years. We are constantly looking for ways to improve our courses at NHC and this change has been implemented in direct response to the feedback of previous students and our partners in the Oil and Gas Sector."

The course will be regularly scheduled throughout the world during 2017.

NHC delivers bespoke Dive Technician course for Maridive in Egypt

NHC recently completed a 10 day Dive Technician Course for 12 delegates from Maridive in Egypt.

Maridive Group is the largest company providing offshore marine and oil support services in Egypt. Within its fleet, Maridive operates a number of DSVs and so requires competent and fully trained staff for daily maintenance requirements.

The 10 day Dive Technician course was organised at Maridive's facilities in Egypt which allowed students to be trained directly on the equipment they will be required to maintain. NHC was able to tailor the existing course programme to ensure all topics required in day-to-day operations were covered.

NHC has been successfully conducting Dive Technician courses for over 10 years.

NHC is committed to providing a comprehensive training solution for the diving and subsea industry and is always interested in working alongside companies to create bespoke solutions, ensuring staff receive the most relevant training experience.



Finance Director Martin Marsh

Martin joined the business in December 2006 to work closely alongside the Managing Directors through a period of significant project growth with overall control and responsibility for all financial aspects of the company. The remit has continued to expand on a global scale following the recent business acquisitions.

Martin is required to be organised and precise and he isn't afraid to ensure Gio keeps the rest of the team in check with their meal expenses!

Martin is a chartered accountant and spent the preceding 10 years in public practice in South Africa, with his career progressing from an audit trainee with various promotions through the years to the final position of audit manager before being offered partnership in the practice in 2004. When not spending hours at his desk, Martin enjoys spending time with his wife, the occasional round of golf and cooking dinner at home.



JFD Carries Out Successful Demonstration for Special Operation Units

JFD in Sweden was recently invited to conduct a three day demonstration in Denmark of it's defence capabilities to special operation units from different NATO countries. The main objective of the exercise was to showcase the capabilities of the JFD SEAL Carrier, an 8-man swimmer delivery vehicle designed for the covert insertion and extraction of combat diver units.

JFD demonstrated the SEAL Carrier being moved to and from the demonstration area by sea autonomously, showing the capacity of the Carrier for the Danish Navy Special Operations Forces (SOF) who are part of the NATO SOF Community.

The SEAL Carrier was demonstrated in its available modes (surface, semi-submerged and submerged), with trained divers able to travel with the craft as passengers and co-pilots, showing the crafts durability and performance during transit of 900 Nm along the Swedish coast, in varying sea conditions. This also verified that the craft can operate underwater immediately after transit without any special maintenance measures.

The SEAL Carrier had some rough seas (up to Sea State 4) to contend with during the transit, however performed exceptionally well and all systems remained stable. The crew was also able to stay in constant radio contact with the service team who followed on land.

The demonstration not only showed that the craft can add an over the horizon capability to combat diver units, but also that it is reliable and easy to operate. The Danish operators were able to manoeuvre the craft safely after just a few minutes of training, demonstrating how easily operated the vehicle is.

During the trip, JFD also successfully demonstrated its Torpedo SEAL, a 2-man swimmer delivery vehicle, and the Divex Shadow Enforcer Rebreather, a closed circuit, lightweight, easily maintainable and rapidly deployable underwater breathing apparatus (UBA) used by Special Forces.

Anders Magnerfelt, JFD Sweden Operations Director, commented:

"To be able to demonstrate our vehicles and other equipment to potential end users within their own environment is extremely beneficial when proving their operational capabilities. It triggers their imagination on the operational capabilities they could develop."

If you have any requirements for a demonstration of any JFD products please contact us to discuss.



JFD secures multi-million pound contract to build 500m Saturation Diving System for Shanghai Salvage

JFD has been awarded a major contract with Shanghai Salvage, one of the biggest professional salvage companies in China. The contract, valued in the region of £35m, is for the design and build of a 24-man saturation dive system capable of diving to depths of 500m, to help strengthen Shanghai Salvage's subsea operational capability and support its growth into deeper diving operations.

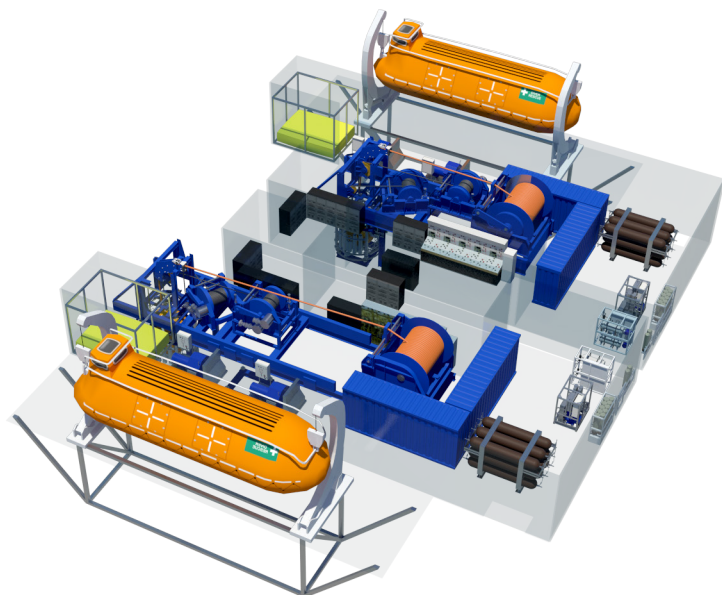
Drawing upon JFD's wealth of engineering expertise, the new 24-man system will be built to incorporate advanced, state-of-the-art technology which will allow the safe conduct of 500m diving, which is significantly beyond the depth rating of the majority of standard diving systems.

The build consists of two independent 12-man saturation diving systems including diving bell, hyperbaric lifeboat, gas management and life support equipment built into a single lift module. The systems can be deployed individually on vessels of opportunity or installed together on board a newly designed dive support vessel (DSV).

JFD has enjoyed a ten year partnership with government-owned Shanghai Salvage, following the award of a contract in 2007/08 for the supply of a 300m rated saturation diving system. The delivered system has subsequently performed successfully onboard the DSV 'Shen Qian Hao', achieving the Chinese record for the deepest saturation dive in 2014.

With a long standing reputation for the manufacture of saturation dive systems that lead the way in terms of specification and capability, JFD was best placed to accept this engineering challenge. The 24-man saturation dive system will include the engineering, procurement, construction, installation and maintenance of two x 12-man saturation dive system modules that are fully International Marine Contractors Association (IMCA) and Lloyds Register compliant.

This award is the result of several years' business development effort into the Chinese market. JFD anticipates that as a result of the contract, their presence will be strengthened in the region, making China a significant market for the company.



Products and Support Director Danny Gray

Danny is responsible for ensuring compliance, safety and quality are delivered,



as expected by our customers, throughout our full global product and service offering. JFD also offers an ongoing support service throughout a product's lifecycle, providing a responsive and cost effective global maintenance solution for which Danny is responsible.

Danny started his career as an Apprentice Mechanic and began working within the diving industry in 1982 with Oceaneering he then joined Gas Services Off-shore (which became Divex) as a Technician in 1985. During the past 30 years within the company Danny has predominately worked within the production environment enjoying roles of Workshop Manager and Production & General Manager. In addition, he has also managed a number of support functions including Product Engineering, Business Systems and HR.

Following the recent expansion of JFD, Danny's remit has expanded rapidly with the addition of many new products and services, making Danny a very busy man. Danny is apprehensive when receiving orders from Doug, which this year has included the manufacture of one of the deepest Saturation Diving System in the world - posing many a challenge for him and his team!

Out of the office, Danny enjoys getting out on his bike, swimming and returning to his home town of Macduff.

National Hyperbaric Centre develops global training capability

Earlier in 2016, JFD announced the launch of regular NHC training courses in Durban, South Africa following an agreement with Subtech.

The company has also recently signed an agreement with Fugro to provide training courses at the Fugro Academy Training Centre in Abu Dhabi.

JFD approved local and UK trainers have been delivering a range of NHC courses in both locations including: Client Representative, Dive System Auditing & Assurance, Dive Technician and Kirby Morgan Helmet Technician courses. We have experienced a high level of interest in our recent courses and hope to continue this success throughout 2017.

Subsea and diver safety is of paramount importance to JFD and one of our core company values. We aim to improve the safety of our customers by taking a leading role in improving standards worldwide.

The addition of another training facility allows the NHC to expand their global presence and provide training services to a wider audience.

JFD LEXMAR at OSEA

JFD LEXMAR recently participated at the OSEA 2016 exhibition held at Marina Bay Sands, Singapore from 29th November until 2nd December 2016.

The main objective was to communicate the new JFD LEXMAR brand following the acquisition in August of this year. The stand also showcased JFD's new Compact Bailout Rebreather (COBRA) designed and developed as part of the Divex range of rebreathers.



Strengthened by the acquisition, JFD LEXMAR is now able to offer enhanced specialist diving equipment services to the Asia Pacific market and stronger support to clients such as the Singapore Navy, especially for activities related to submarine rescue.

Marieke Barker, Managing Director, commented:

“Our goal is to become the centre of excellence in APAC: the number-one provider of Diving and Hyperbaric equipment and services to the commercial and defence diving markets.”

Business Execution Director Ben Sharples

JFD undertakes a wide variety of large scale commercial and defence projects and services. Managing the project effectively through its life cycle from acquisition to completion is essential to ensure JFD can deliver the high quality service for which it is renowned on time and on budget, as Business Execution Director this is Ben's role.

Ben joined Rumic in 1996 which was later bought by James Fisher. He was part of the offshore maintenance and operations team as Design Lead for the LR5 Submarine Rescue vehicle when it was upgraded in 2000 and Project Manager for the development of what has become the current Australian Submarine Rescue system. In 2004, Ben moved to Barrow to work for the James Fisher Group where he helped set up James Fisher Defence and won the Korean and Singaporean Rescue System contracts. He became Managing Director of James Fisher Defence in 2012 and during his time within this position increased the business's turnover from £1.2m per annum to £22m as the company became established in Sweden, Korea, Australia and Singapore.

Ben has been a member of the Senior Leadership Team (SLT) since JFD's formation in 2013 serving as Strategy Development and Implementation Director, India Project Director and now Business Execution Director.

“I've been at JFD for nearly 20 years primarily because I learn something new every day, I enjoy the rich mix of customers and technology and I'm supported by a great team. Getting to know the challenges/opportunities and customer requirements in association with delivering commercial sat systems is my current focus, together with harnessing JFD UK talent in a market place which is clearly shifting eastwards.”



JFD Rescue Seat Certification

The JFD Rescue Seat Certification, conducted in alignment with ANEP/ MNEP 85 & 85.1, demonstrates that the design, manufacture and maintenance of the rescue seat complies with dimensional and structural requirements of the most current NATO standard, and proves the ability of a submarine to safely mate with the Submarine Rescue Vehicles (SRVs) listed in the table below.

Rescue seat certification was previously only available through NAVSEA. JFD's rescue seat certification adheres to the very same requirements, whilst offering customers the capability to tailor the survey and certification process to their specific needs, and providing a full, standard compliant Technical Data Package specific to the surveyed Submarine.

SRV	Nation	Max depth
LR5 (DSAR-1)	Australia	400msw
DSAR-5	South Korea	500msw
DSAR-6	Singapore	500msw
NSRS SRV-1	NSRS	610msw
URF	Sweden	450msw

Business Acquisitions Director Valerio Percoco

Maintaining and developing a strong global presence and promoting the variety of products and services JFD can offer is core to the Business Acquisition department's focus.

Within the past year this department has travelled extensively in order to support its customers and promote JFD's continuously enhancing capability as a 'one-stop-shop' for a variety of subsea requirements. JFD has also participated in a number of events and exhibitions throughout the year focussing on both the commercial and defence sides of the business.

Developing the visibility and credibility of the ever-expanding JFD brand has been a major focus for Valerio.

Valerio is a chartered Mechanical Engineer and MBA, and has lived in the UK for over 12 years – he is a native Italian. He has covered many directorship roles in multiple countries including 3 years in China. His experience is diverse having worked in food, import/export, telecommunications, superconductivity and the Oil and Gas industries.

Valerio is a pragmatic, evidence based and numerical professional who has a rational approach to management but also has a warm and personable touch.

Valerio joined JFD at the end of 2015 as part of the SLT leading the Bids, Marketing and Sales activities, and since hasn't had a moments rest as Ben is ever ready and waiting, pushing him to take in as many new and exciting projects as he can!

When not travelling around the world, Valerio enjoys spending time with his wife and children.



Increased demand for bespoke courses around the world

In recent months, JFD has received a number of requests from companies looking to arrange a more tailored training package for their staff.

JFD's National Hyperbaric Centre is able to work alongside customers to create bespoke solutions which ensure staff can receive the most relevant training.

In the space of four weeks, NHC has travelled to Holland, Egypt and Brazil to successfully conduct a variety of courses at client's facilities.

Neil Adam, Training Sales Supervisor said:

"NHC's experienced team and flexible approach to training ensures we can adjust our courses to suit client's requirements. NHC is passionate about improving subsea safety around the world. Offering customers the opportunity to request training they need is all part of our commitment to ensuring we are doing everything we can to keep vital training accessible even during these tough times."

National Hyperbaric Centre has conducted a variety of bespoke courses in locations all around the world and is always happy to collaborate with clients to develop their ideal training solution.



Business Operations Director John Paul McCarroll

Responsible for the provision and delivery of all internal functions, John Paul ensures JFD works efficiently and effectively in order to maintain high quality standards and resources.

A qualified chartered accountant, John Paul spent his formative years working in public practice specialising in accounting, auditing, taxation and corporate finance. He joined James Fisher Defence in 2010 as Finance and Commercial Director:

"The sole remit of this job was to protect the previous MD (Ben Sharples) from himself and to a greater or lesser extent I was reasonably successful at this..!"

Following the merger in 2013, John Paul took on the role of Commercial Director which has subsequently morphed into Business Operations Director. When not spending time with his wife, three children and dog 'Princess', he enjoys Rugby and playing the Cello.



JFD Shortlisted for Global Export Award

We are delighted to announce that JFD is one of the shortlisted finalists for the Subsea UK Awards - Global Exports category!

We have had some incredible global achievements this year which gave us the confidence that we could really shine within this category.



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Planned upgrade approved for JFD's National Hyperbaric Centre for reception of 24-man SPHLs.

JFD is pleased to announce the planned expansion of its National Hyperbaric Centre's fixed hyperbaric reception facility (HRF) from an 18-man to a 24-man system. Housing the only land-based saturation diving system in the UK, the NHC has worked in collaboration with North Sea diving contractors to help ensure the safety of saturation divers in case of an emergency over the last 28 years, successfully providing a comprehensive 18-man emergency hyperbaric reception facility.

In response to larger diving support vessels coming into operation in the North Sea, the expansion will ensure NHC retains its leading position in the diving industry, with the ability to support and facilitate the arrival of the new generation 24-man self-propelled hyperbaric lifeboats (SPHLs). It will be one of only a few facilities in the UK that is able to support the reception of larger SPHLs and benefits from being connected to a dedicated DMAC 028 (Diving Medical Advisory Committee) compliant medical chamber.

As part of the extension, the existing decompression chambers will be adapted and removable modules will be available to accommodate a maximum of 30 people during the medical treatment and decompression process, providing a facility suitable for treatment of the most complex of diving-related medical emergencies.

All the above works will be designed and delivered in accordance with IMCA guidelines and pressure boundary works will require Lloyds Register Certification.

As part of its commitment to subsea safety, JFD has positioned itself as the centre of excellence for hyperbaric rescue facilities by offering a comprehensive service which can support operators across the whole of the North Sea.

