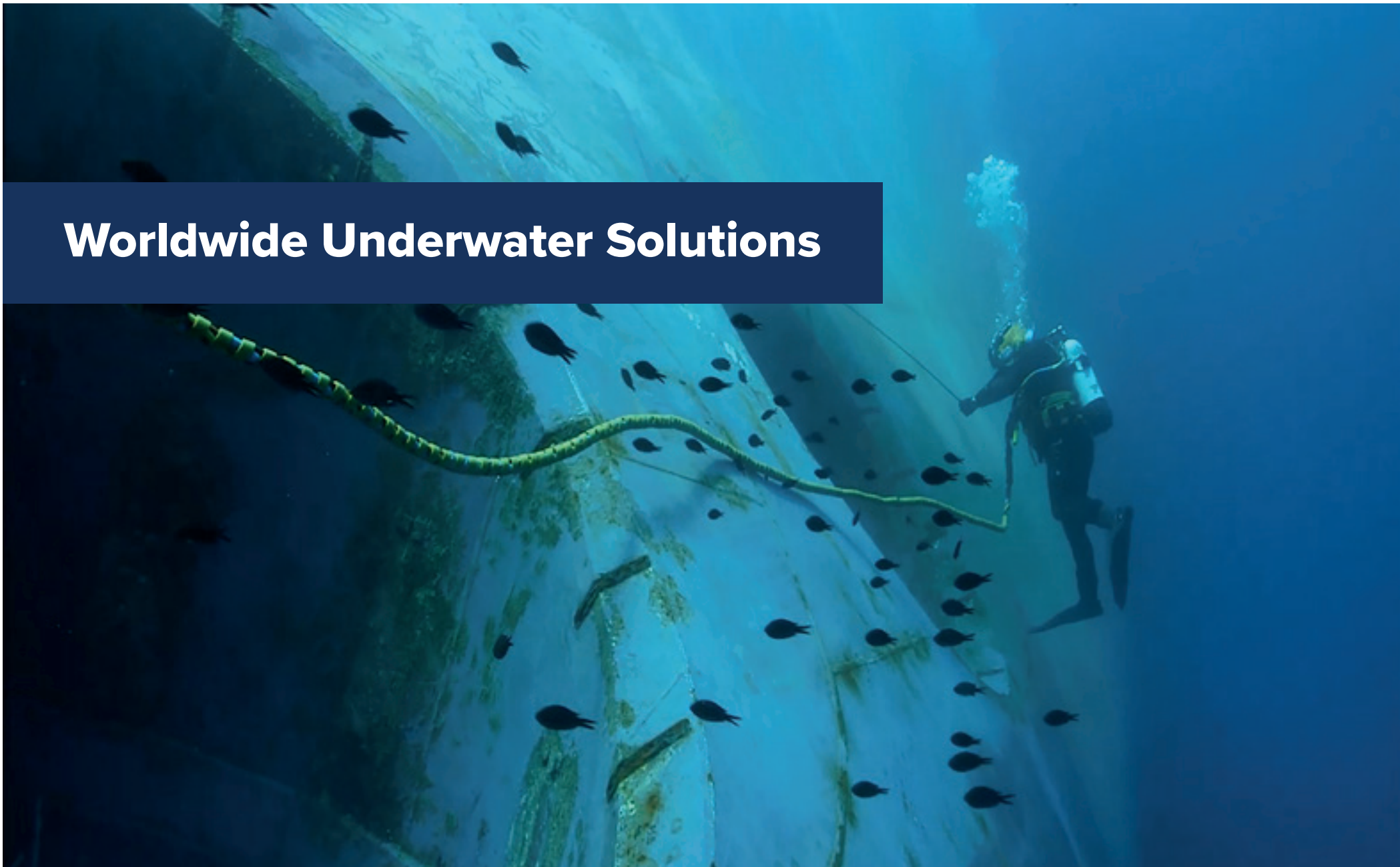


Worldwide Underwater Solutions





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ABOUT DISA

YOUR SUBSEA SOLUTIONS SPECIALIST

We are DISA International, your specialists in pioneering subsea solutions. Since 2003 we have been diving into different segments of the marine and underwater world where **our inventive and comprehensive** solutions are relied upon by our international client base.

HOW WE WORK

We immerse ourselves in **operational excellence**, **safety** and **transparency** in order to bring you the latest approaches and deliver the **best value** and **quality** service there is.

We pride ourselves on being a dynamic company, with the in-depth expertise, experience and technical ability to complete any subsea challenge for our clients with the safest, most cost-effective and time-efficient solutions.



WHAT WE DO

Diversification and international expansion have broadened and deepened the DISA brand, and we now operate globally with four distinct divisions.



■ Offshore Oil & Gas



■ Civil Construction



■ Offshore Renewables



■ Wreck Removal

Powered by **C-Ventus**
Offshore Windfarm Services

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At DISA, we really enjoy bringing tried and tested concepts, techniques and specialist personnel across from one division to solve different operational challenges in another. This efficient, economical, and sustainable approach to subsea projects is what sets us apart and gives us our competitive edge.

Didier de Graaff, Managing Director - DISA International

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DEEP-DIVING WITH THE BEST

We have a close and professional partnership with our clients. They understand the regular harsh environments we work in, but they also know they can depend on us for a reliable and successful outcome, where safety is never compromised.

We work with:

- Offshore Renewables Installation Companies
- Civil Engineering & Construction Companies
- Offshore Renewables Owners
- Dredging Companies
- Offshore Oil & Gas Installation Contractors
- Oil & Gas Majors
- Decommissioning Contractors
- P&I Clubs & Vessel Owners
- Marine Authorities
- Property Development Companies



OFFSHORE OIL & GAS

COMPLETE SUBSEA SOLUTIONS FOR OFFSHORE OIL AND GAS PROJECTS

In response to the increasing demand from clients for complete solutions, DISA branched out into offshore oil and gas projects in 2009.

We now provide a full range of high quality subsea services and support to offshore oil and gas companies and major installation contractors worldwide.



OUR OFFSHORE OIL AND GAS SOLUTIONS

- Diving
- Rope access
- Rigging
- ROV operations
- Survey and positioning
- UXO services
- Cutting services
- Decommissioning services



Whether it's the installation of single point mooring buoys, inspection of pipelines or decommissioning of subsea infrastructures, by engaging us during the engineering phase we know we can present the right project solution to our clients.

OFFSHORE OPERATIONS

Our services are used for a variety of offshore operations, either stand-alone or when the complexity of the project requires a combination of services, with an integrated approach.



OUR VALUE TO OUR CLIENTS

Together with our highly capable project management, engineering expertise and technical ability, our wide range of equipment and resources and our integrated approach, we can complete any subsea oil and gas projects safely and efficiently, anywhere in the world.

NOTABLE DISA OFFSHORE OIL & GAS PROJECTS

- **OPHIR – Jacket relocation project** - DISA assisted on the successful removal of a suction pile wellhead platform from the Ophir field, which was relocated and re-installed at the Jitang field, offshore Terengganu. This was the first time that a wellhead platform was relocated in one piece without any further structural modifications.
- **MOPUSTOR** – Development of a Mechanical Equipment Module - DISA was tasked to engineer, procure, construct, and operate a multipurpose unit for the installation of the MOPUstor (storage tank unit) at the YME field located in the North Sea at a water depth of approx. 93 m LAT. The unit was capable of operating all ballast tanks individually, ballast (activate passive flooding) and de-ballast all tanks and perform suction on the skirt-structure for seabed soil penetration.



CIVIL CONSTRUCTION

UNDERWATER CONSTRUCTION, REPAIR AND MAINTENANCE

Our Civil Construction department specializes in underwater services for the construction, repair and maintenance of a wide variety of infrastructural projects.

Over the years, we have established a reputation as a leading underwater contractor amongst international civil engineering, construction and property development companies.

OUR CIVIL CONSTRUCTION SOLUTIONS

DISA's experienced teams work every day with the challenges that underwater construction, repairs and maintenance present. They all have proven skills and competences in tackling a variety of marine and subsea projects for Civil Engineering & Construction clients such as:

■ Construction of building pits	■ Dams
■ Tunnels	■ Bridges
■ Aqueducts	■ Sluices, channels and locks
■ Inlets and outlets	■ Jetties and quays
■ Port extensions	... and so much more

Preparational services for our clients include:

■ Survey and progress follow up	■ Certified welding of anchors
■ Underwater accurate positioning	■ NDT
■ Cleaning of walls and piles (to ensure proper affixing of concrete)	■ Underwater cutting
■ Removal of sludge and grout	■ Underwater (reinforced) concreting
■ Installation of crack frames, concrete stoppers	■ Installation of rebar for reinforced floors
■ Installation of reinforcements and elevator shafts	■ ...and so much more

Effective planning and logistics enables us to deploy our teams and provide our services anywhere in the world at very short notice.

OUR VALUE TO OUR CLIENTS

Our established civil construction teams have developed innovative tools and methodologies to overcome the obstacles of working underwater in a highly challenging environment. Our know-how and experience in civil construction have proven to be key factors in meeting and exceeding our clients expectations.

NOTABLE DISA CIVIL CONSTRUCTION PROJECTS

- **Paleis Het Loo** – DISA completed the underwater services for the building pit scope and concrete installation including diving and concrete pouring.
- **S-Bahn connection tunnel to Central Station Berlin** - DISA completed all the specialized diving work including the excavation work by a crawler ROV inside the tunnel, the removal of reinforced concrete slabs, dredging the bottom, cleaning side walls, GVI and accurate pile inspections and measurements, and the complex pouring of the concrete floor.
- **OPENIJ Sluice Construction, largest sea lock construction to date** - DISA was assisting on all the subsea operations including the sinking of two caissons to install the two lock gates, construction welding, dredging work, pouring underwater concrete, diver and ROV inspections, construction and installation of large underwater structures and lifting operations.

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To make all these projects happen, we install between 90,000 m³ and 120,000 m³ of subsea concrete flooring each year.

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OFFSHORE RENEWABLES

C-VENTUS - PROFESSIONAL PARTNERS FOR A SUSTAINABLE FUTURE

C-Ventus Offshore Windfarm Services was established in 2011 in response to the growing demand for a dedicated service provider with specialist knowledge in offshore wind farm installation, Operation and Maintenance (O&M) and Decommissioning. In early 2015 C-Ventus became a wholly owned subsidiary of DISA International.

OUR VALUE TO OUR CLIENTS

We pride ourselves on a close working relationship with our clients, providing support during the entire life-cycle of offshore wind farms. Our transparent approach in combination with operational excellence and the highest safety standards are essential in making C-Ventus the preferred partners for services in the offshore wind industry.

OUR OFFSHORE RENEWABLES SOLUTIONS

Today C-Ventus is a dynamic company responding to the ever changing needs and further development of the offshore wind market.

State of the art equipment and highly skilled personnel has enabled us to assist in the safe, on-time and within budget completion of works for some of the world's leading energy providers.

Our main solutions include:

- Contracting and Management of Balance of Plant (BoP) (Topside and Subsea)
- Inspection, Repair and Maintenance services including all project support
- UXO Surveys, Identification and Clearance Campaigns
- Coating Repair Campaigns
- Inter Array Cable pull-ins
- Landfall services through Horizontal & Direct Directional drilling for export cables – powered by our VLCV
- Vessel Support Contracts
- Decommissioning

Since 2019 Van Leeuwen and C-Ventus have joined their forces as VLCV B.V. and pairing up drilling and marine expertise, to tender and execute shore approaches and interconnectors in the global offshore wind segment. The combination of the extensive expertise in marine operations, subsea activities, and horizontal directional drills (or Direct Drill) provide in sum that VLCV is a reliable and professional partner for any trenchless solutions in the maritime industry.



NOTABLE DISA OFFSHORE WIND PROJECTS

■ **Borsele Cable Landing** - VLCV BV, a subsidiary of C-Ventus and VL Specials, was contracted for the conduit installation of the Borsele Project requiring two export cables to run from offshore towards the shore at Borsele in the Westerschelde. The cable conduits were installed by means of the Direct Drill and run from the drilling entry point at the KP0.400 location towards the drilling exit point at -50 metre LAT at the KP0.800 exit point.

■ **Dolwin 6 Export Cable Route** - C-Ventus was engaged to perform a high quality offshore and nearshore UXO Survey, Identification and UXO Clearance campaign in the German Bight, North Sea. The investigation area runs from the shoreline to the offshore platform area, with the work being carried out by means of Shilling HD - Work Class ROV(s) and a special nearshore tool.

■ **BOP Projects** - C-Ventus has been chosen by several offshore wind farm operators for long-term Operations and Maintenance contracts. These project scopes include Balance of Plant, Inspection, Repair and Maintenance (subsea and above the waterline) for wind farms across Europe including the United Kingdom, Germany, the Netherlands, Denmark and Sweden. Currently C-Ventus is performing the O&M contracts for 16 offshore wind farms.



WRECK REMOVAL

WRECK REMOVAL FROM A TO Z

DISA's beginnings are in Wreck Removal. Over the years we have established ourselves as a strong and widely recognized contractor for innovative, safe, time-efficient and cost-effective integrated removal solutions with the least amount of environmental impact.

OUR INTEGRATED WRECK REMOVAL SOLUTIONS:

■ Client representation and advisory (damage control)	■ Bunker removal (Incl. inhouse deep sea hot tap tooling)
■ Authorities intercommunication and negotiations	■ Salvage diving & ROV operations
■ Environmental solutions	■ Survey & positioning
■ Project management	■ Rigging & heavy lifting services (Total inhouse mobile lift capacity 16.000 ton)
■ Media control	■ Casualty / Wreck transportation
■ Exposure on risk analysis	■ Dismantling, recycling and disposal services
■ Vessel management	■ Subsea directional drilling services – Powered by LEDI Subsea Drilling BV
■ Oil spill response	■ Cutting / Separation techniques, cross application and INNOVATION



OUR VALUE TO OUR CLIENTS

With an impressive track record and years of experience in the challenges of wreck removal in the complex marine and subsea environment, our professional team can control these wreck incidents and manage the entire rescue and recovery process. We deliver with the highest safety and quality standards and conduct all our projects with the utmost care and dedication.



NOTABLE DISA WRECK REMOVAL PROJECTS

- Wreck removal of cargo vessel **Little Seyma (2018)** - DISA International was awarded the removal of the MV Little Seyma sunken along the coast of the Greek Island Mykonos/Tragonesi. The work consisted on the complete removal of the wreckage including the disposal of the wreck and cargo.
- Wreck removal of working barge **Seaworker (2017)** - DISA International was awarded the wreck removal of the JUP Seaworker which ran aground 7NM South from Hvide Sande / Denmark. The client requested DISA to remove the JUP wreckage and dispose of the wreck accordingly.
- Wreck removal of passenger vessel **Costa Concordia (2012-2014)** - DISA International was subcontracted to assist on the salvage operations of the passenger vessel Costa Concordia, a 292m, 114,147 GT Cruise ship, wrecked on Isola del Giglio, Italy. Salvaging the ship was complex and challenging and to date the largest salvage operation of its kind in maritime history.



SAFETY & QUALITY

SHE-Q IN-DEPTH

Our safety goal is to protect our people, our clients, the environment and our assets. Safety always comes first and our strong safety record reflects this.

Safety, health, environment and quality (SHE-Q) are at the core of our company values and our in-house developed SHE-Q program is an integral part of our work, providing our employees, contractors and stakeholders with a sound and operational safety framework.

We have an embedded quality system, supported by international certification and safety policies for all our employees.



OBJECTIVES

Our way of operating is defined by our core business & safety objectives:

- No business objective overrules safety, health and environmental compliances
- SHE-Q is based on positivity and encouragement
- We work according to and fully comply with applicable SHE-Q laws and regulations
- We focus on accident prevention instead of remediation
- We continuously focus on improvement
- We meet, and where possible exceed, the expectations of our clients



SUSTAINABILITY

At DISA, we believe in 'keeping it local'. For international projects we work with local companies and build a local team, reducing our carbon-footprint as much as possible.

OUR PEOPLE – SUBSEA SOLUTIONS SPECIALISTS

The services we offer are based on years of our team's practical experience, research and development, and their deep-rooted commitment to the highest safety and quality standards.

Our talented people specialise in diverse services such as diving and ROV services, rope access, survey and positioning, underwater concreting, welding, subsea horizontal directional drilling, marine services, as well as mechanical, structural, marine engineering and project management. This makes for a dynamic and diverse company, a place where we are proud to work.

INNOVATION & TECHNOLOGY

We are always developing new concepts and techniques to find better solutions for the labyrinth that is the underwater world. Some of our subsea solutions involve:

- **Subsea Drilling:** We have developed a specialized, remotely operated underwater drilling device named LEDI which is powered by LEDI Subsea Drilling BV.
- **Deep Sea Oil Recovery Unit:** We own and operate a DSOR, a ROV unit launched and recovered by a LARS or by the vessels crane and assisted by an ROV designed and developed for recovery of hydrocarbon and other hazardous liquids within subsea structures on depth even exceeding air and saturation diving and primarily used on sunken vessels.
- **Underwater Concrete:** DISA has developed a variety of high technological underwater concreting systems. Being a leading service provider for underwater concrete in Belgium, the Netherlands and Germany, DISA is able to execute very complex underwater concrete pouring's. The complexity varies, from limited accessibility, overcoming large distance whereby floating and subsea transport lines are required, floor specification whereby one or even two inclinations are needed and up to reinforced underwater floors.



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At DISA, it's all about making ideas happen. We understand the art of inventing and modifying concepts and techniques, and also bringing them to life to meet operational challenges.

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OUR GLOBAL REACH

Our inventive and comprehensive underwater solutions are available to our clients around the world, with headquarters in Belgium and offices in the Netherlands, Singapore and the USA.

DISA INTERNATIONAL

Ketelaarstraat 5c

2340 Beerse

Belgium

Office +32 14 62 04 11

E-mail info@DISA-international.com

DISA NETHERLANDS

Strandweg 2

1976 BS IJmuiden

The Netherlands

Office +31 255 820 420

E-mail info@DISA-international.com

DISA SINGAPORE

8 Eu tong sen street

18-81 The central

Singapore 059818

Office +32 14 62 04 11

Email info@DISA-international.com

DISA USA

2023 Corporate Drive

Boynton Beach, FL, 33426

USA

Office +1 561 509 6033

Email info@DISA-international.com

WWW.DISA-INTERNATIONAL.COM



WWW.DISA-INTERNATIONAL.COM