

NORDSEETAUCHER

GmbH

INT. DIVING CONTRACTOR



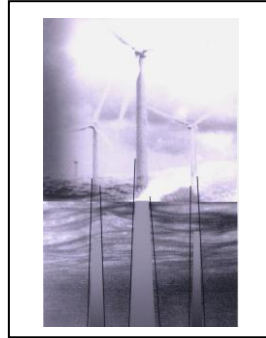
Offshore References

NORDSEETAUCHER GmbH

Int. Diving Contractor



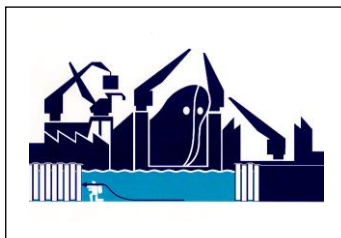
OffshoreWind Inwater Service®
Hyperbaric Tunnel Construction and Diving®



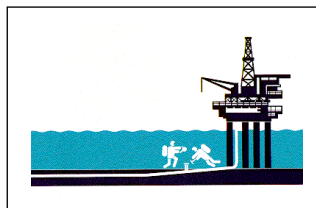
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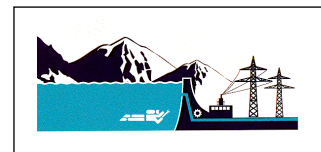
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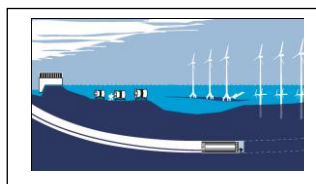
Inshore / Inland



**Offshore
Oil and Gas**



**Water Power Plants
and
Reservoirs**



**Renewable Energies
Hyperbaric Tunnel Constructions**

NORDSEETAUCHER GmbH

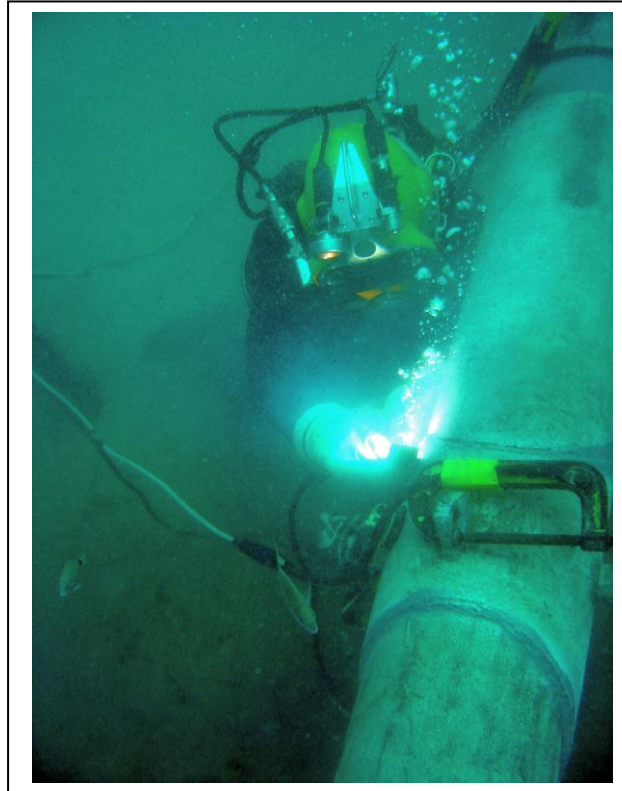
Int. Diving Contractor



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Underwater Wet Welding, SPM Pipeline for PetroSA, South Africa

NORDSEETAUCHER GmbH (North Sea and International Diving Contractor), founded in February 1989, is the leading subsea diving company in Germany, registered in Lübeck no. HRB 2865 AH. The company main office is in Ammersbek next to Hamburg, Germany. The workshop, test and training centre is located in Bremerhaven. We have partner offices in the United Arab Emirates, Singapore, the Netherlands, Russia, United Kingdom, Sweden, Czech Republic and in Austria.

Our activities mainly concentrate on offshore and inshore/inland diving operations, deep tunnelling, saturation and nuclear diving. Our performance capabilities range from sat- and semi-sat. diving to salvage work, underwater welding, cutting, preservation and concreting, as well as documentation by video and television with cameras operated by remote control or by divers.

The teams of NORDSEETAUCHER GmbH have highly qualified members with extensive job experience in all pertinent work areas. Some of them have a special training in saturation diving, in depths of up to 600 meters. In fact, the diving depth of 600 meter under working conditions was attained for the first time in the world in 1986. The team of four men was led by Claus Mayer, Managing Director of NORDSEETAUCHER GmbH, who was the lead diver.

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Int. Diving Contractor



Die NORDSEETAUCHER GmbH wurde im Februar 1989 gegründet und im Handelsregister Lübeck unter Nr. HRB 2865 AH eingetragen. Geschäftsführer ist Claus Mayer. Die Gesellschaft hat ihren Hauptsitz in Ammersbek bei Hamburg und Partnerfirmen in den Vereinigten Arabischen Emiraten, Singapur, die Niederlande, Russland, Großbritannien und Schweden sowie in der Tschechischen Republik und in Österreich. Die Haupteinsatzgebiete sind Taucherarbeiten auf Bohr- und Förderplattformen, Bergungsarbeiten im In- und Ausland, Taucher- und Druckluftarbeiten im maschinellen Tunnelvortrieb, Sanierung von Talsperren und Kraftwerksanlagen sowie das Tauchen in kerntechnischen Anlagen. Das Leistungsprofil reicht vom Mischgas- und Sättigungstauchen (Tauchen in Tiefen über 50 Meter) über Bergungsarbeiten, Schweißen, Schneiden, Konservieren und Betonieren unter Wasser bis hin zur Video- und Fernsehdokumentation mit tauchergeführten und ferngesteuerten Kameras (ROV).



Ariane V Mission 537, Booster Sea Recovery, French Guyana



Vermessungsarbeiten mit Sonar sowie Wanddickenmessungen mit Ultraschall und Schweißnahtprüfungen unter Wasser gehören ebenso zu unseren Aufgaben wie die Schiffsbodenuntersuchung, -reinigung und das polieren von Propellern.

Der Dauereinsatz von Tauchern in Tunnelvortriebsmaschinen wurde von uns erstmalig in Europa 1997 eingeführt. Die größte bis heute erreichte Tiefe liegt bei 6,9 bar.

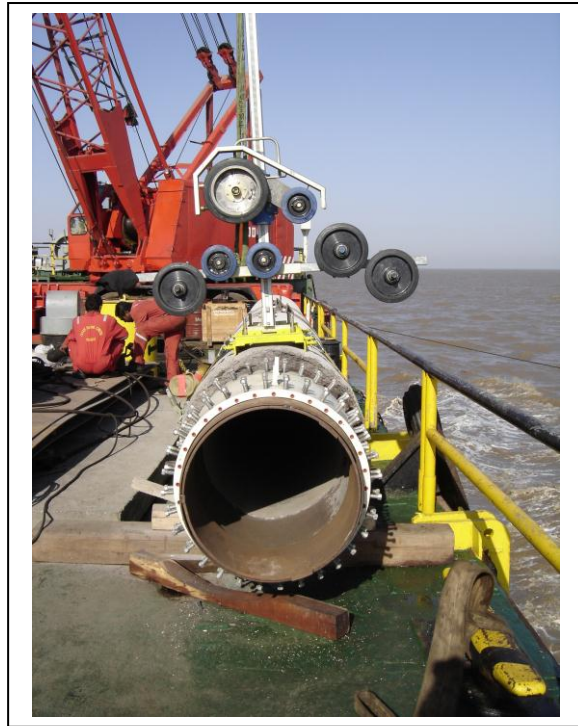
Die Arbeitsteams der NORDSEETAUCHER GmbH bestehen aus hoch qualifizierten Mitarbeitern mit umfangreicher Berufserfahrung in allen Bereichen. Einige von ihnen verfügen über eine Spezialausbildung als Mischgas- und Sättigungstaucher in Tiefen bis zu 600 Metern. Die Tauchtiefe von 600 Meter unter Arbeitsbedingungen wurde erstmalig 1986 erreicht. Der Geschäftsführende Gesellschafter der NORDSEETAUCHER GmbH, Claus Mayer war in diesem Team, bestehend aus vier Tauchern, als Cheftaucher tätig.

Die NORDSEETAUCHER GmbH ist zertifiziert und für die UW-Besichtigung von Schiffen und Offshore-Strukturen zugelassen vom Germanischer Lloyd, Det Norske Veritas, Bureau Veritas, Lloyd's Register, American Bureau of Shipping und Nippon Kaiji Kyokai.

Weitergehende Informationen entnehmen Sie bitte dem Internet unter www.nordseetaucher.de oder wenden Sie sich direkt an uns unter info@nordseetaucher.de.

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Pipe cutting under water with a rope saw, Offshore India

NORDSEETAUCHER GmbH

(北海国际潜水有限公司)，成立于1989年2月，是德国一家主要的海洋潜水公司。

公司注册于Lübeck HRB 2865 AH号。公司总部位于德国Hamburg (汉堡) 附近的Ammersbek，其加工厂，

测试和培训中心则位于Bremerhaven。公司在阿拉伯联合酋长国，荷兰，波兰，直布罗陀和奥地利设有办事处。

公司主要业务为远海和近海潜水作业，水下焊接，深埋隧道，饱和和核电站潜水。业务涉及饱和、半饱和潜水，救捞作业，水下焊接，切割，水下涂装和水下混凝土施工，以及利用遥控或潜水员操作的摄像机进行录像和拍摄电视纪录片等多个方面。

NORDSEETAUCHER GmbH

的团队由在所从事的业务范围内具有丰富经验的专业人员组成。其中有的人接受过深达600米的饱和潜水培训。实际上，1986年第一次在世界上在工程实际中达到了600米的潜水深度。当时由4人组成的小组是由公司总经理Claus Mayer先生带领的，他当时是潜水长。

目前该公司拥有25名潜水员和气压工人。

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Int. Diving Contractor



La empresa NORDSEETAUCHER GmbH se fundó en febrero de 1989 y está inscrita en el registro mercantil de Lübeck con el número HRB 2865 AH. Su gerente es el Sr. Claus Mayer. La sociedad tiene su sede principal en Ammersbek cerca de Hamburgo y cuenta con empresas asociadas en los Emiratos Árabes Unidos, Singapore, los Países Bajos y Austria. Sus campos de trabajo son los trabajos de buceo en plataformas de perforación y extracción, los trabajos de salvamento en el interior y en el exterior del país, los trabajos de buceo en ambientes hiperbáricos para la construcción mecánica de túneles y galerías, el saneamiento de presas y centrales eléctricas así como el buceo en plantas nucleares.



Tie In Chamber Europipe I and II, Germany

El perfil de nuestros servicios va desde el buceo en una atmósfera de gas mixto y de saturación (buceo a profundidades de más de 50 metros) para realizar trabajos de salvamento, soldadura, corte, conservación y hormigonado bajo agua, hasta la documentación con vídeo y televisión mediante cámaras accionadas por el buceador o a control remoto. Los trabajos de medición con sonar, mediciones de espesores de pared y exámenes de fisuras de la soldadura bajo agua forman parte de nuestro trabajo, así como la inspección y limpieza de los fondos de buques y el pulido de helices. Introdujimos el empleo permanente de buceadores durante el avance de tuneladoras por primera vez en Europa en 1997. La mayor profundidad alcanzada hasta ahora es de 6,9 bar.

Los equipos de trabajadores de NORDSEETAUCHER GmbH están integrados por empleados calificados con una extensa experiencia de trabajo en todas las áreas. Algunos de estos buzos tienen una formación especial como buzos en atmósferas de gas mixto y de saturación a profundidades de hasta 600 metros. La profundidad de 600 metros para trabajos de buceo se alcanzó por primera vez en 1986. El socio gestor de NORDSEETAUCHER GmbH, Claus Mayer, trabajó como buzo jefe en este equipo, formado por cuatro buzos. Actualmente NORDSEETAUCHER GmbH emplea a 25 buzos de forma fija.

La empresa NORDSEETAUCHER GmbH está certificada conforme al ISO 9002. Estamos autorizados para la inspección de buques bajo agua y estructuras en alta mar por las organizaciones Germanischer Lloyd, Det Norske Veritas, Bureau Veritas, Lloyd's Register, American Bureau of Shipping y Nippon Kaiji Kyokai.

Para mayores informaciones, sírvanse visitar nuestro sitio web www.nordseetaucher.de o contáctennos directamente enviando un correo electrónico a info@nordseetaucher.de.

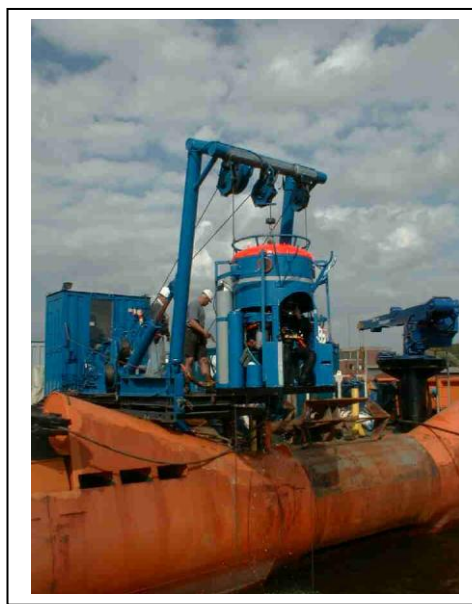
NORDSEETAUCHER GmbH

Int. Diving Contractor



Привлечение водолазов для работ по проходке тоннелей

Компания NORDSEETAUCHER GmbH была основана в феврале 1989 и занесена в торговый реестр Lübeck под Nr. HRB 2865 AN. Руководит предприятием Клаус Майер (Claus Mayer). Головной офис компании находится в городе Аммерсбек (Ammersbek) под Гамбургом с многочисленными представительствами в ОАЭ, Гибралтаре, Голландии и Австрии. Основные виды работ включают подводные работы на буровых платформах, спасательные работы, различные виды подводных работ, также с сжатым воздухом при автоматизированной проходке тоннелей, санация платин водохранилищ, сооружений атомных и электростанций.



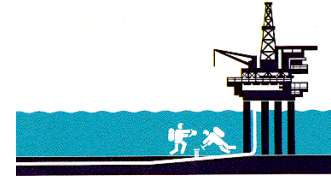
Wet Bell Diving System on board vessel Neftegaz, Netherland

Мы предлагаем широкий спектр водолазных работ с различными методами погружения, как со смешанными газами, так и специальных методов погружения на глубины более 50 метров, спасательные, сварочные работы, резка, изоляция и бетонирование под водой. Также возможна видеодокументация дистанционными камерами или камерами, управляемыми водолазами. Измерительные работы ультразвуковыми гидролокаторами, измерение толщины стенки ультразвуком и проверка сварочных швов на наличие трещин наряду с обследованием днища корабля, очистка и полировка винтов являются нашими стандартными задачами. В 1997 году мы впервые в Европе задействовали водолазов при проходке тоннелей. Наибольшая глубина достигла 6,9 бар.

Сотрудники компании NORDSEETAUCHER GmbH – квалифицированные специалисты с многолетним опытом работы во всех областях. Некоторые из них прошли специальное обучение для проведения работ с погружением по технологии смешанных газов и на глубины до 600 метров. В 1986 году впервые была достигнута глубина в 600 метров при рабочих условиях. Руководитель компании NORDSEETAUCHER GmbH Клаус Майер, участвовал в погружении как руководитель команды.

Компания NORDSEETAUCHER GmbH прошла сертификацию и допущена к подводной инспекции кораблей и строений в открытом море такими организациями как Germanischer Lloyd, Det Norske Veritas, Bureau Veritas, Lloyd's Register, American Bureau of Shipping и Nippon Kaiji Kyokai.

Более подробную информацию Вы найдете на нашей странице www.nordseetaucher.de или обращайтесь напрямую к нам info@nordseetaucher.de.



Diving Records Offshore Oil and Gas

1982 – 1989 (as Diving Supervisor)

BEB Erdgas und Erdoel, Germany

Nordsee B-11-3
Nordsee B-4-2

Nordsee B-18-4
Nordsee G-11-1

Nordsee A-6-3
Nordsee B-4-3

Nordsee B-8-2

1989 – 2011 (as Diving Contractor)

ExxonMobil Production Deutschland (BEB Erdgas und Erdoel, Germany)

Nordsee G-1-1
Nordsee B-4-4

Emshörn Z1A
Emshörn Z2

Paapsand Z1
Manslagt Z1

Dukegat Z1

Statoil, Norway

Europipe I and II

PreussenElektra, Germany

Nordsee H-15-2

Wintershall, The Netherlands

K10-C, K13-B

Noble Drilling, Denmark

Noble Byron Welliver

Oceanteam 2000, UK (Maersk Oil and Gas)

Gorm and Dan Oil Field, Denmark

Petroleum, South Africa

Mossel Bay

Clients:



Approved by and

allowed for work on the continental shelf:



Landesbergamt
Clausthal-Zellerfeld, Deutschland



Søfartsstyrelsen
Esbjerg, Dänemark



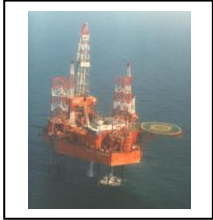
Staatstoezicht op de Mijnen
Rijswijk, Nederlande

NORDSEETAUCHER GmbH

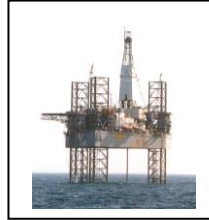
Int. Diving Contractor



Offshore Operations Mobile Offshore Units for Exploration



Dyvi Epsilon



Zapata Scotian



Neddrill 7



Ron Tappmeyer



Noble Byron Welliver

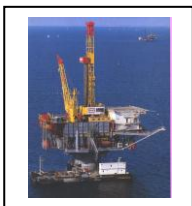


Dyvi Sigma



Deutag Nr. 1

Production Plattformen



Swedeneck See A+B



Manslagt Z1



Dan and Gorm
Oilfield

Plattform Removal



K-10-C / K-13-B



Emshörn Z1

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Research Plattformen



Nordsee



Seadeck

Pipe Laying Projects / Tie In Chamber



Europipe I



Europipe II

Salvage Operations

Wrecks



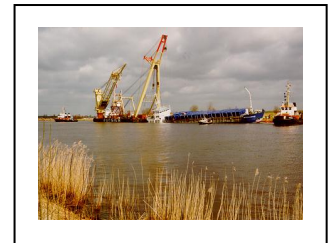
Concrete Pontoon, Rostock



Vessel, Mukran



Car Carrier, Seine-Delta, France



Vessel, Kiel Chanel



Fisher Boat, Rügen



Vessel, River Elbe



Champagne Wreck
Jönköping, Finland



Vessel
Büsum, Germany



Vessel
Croatia

Sailing Boat
Mallorca, Spain



NORDSEETAUCHER GmbH

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Ariane 5 - Booster Sea Recovery, French Guyana



Mission V 508, in 2001
Mission V 517, in 2002
Mission V 537, in 2007



AmrumBank West

Renewable Energies



OWP Beta Baltic

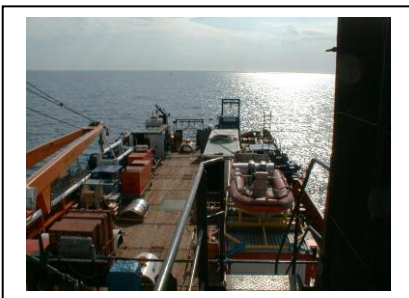
Europipe I + II



From 1993 to 1995, Nordseetaucher GmbH played an important part in the laying of Europipe I and II between the North German islands of Baltrum and Langeoog. When the time came to link up the EURO II pipeline from Norway with the Euro II, which was completed in 1994 and is located 12 nautical miles off the German coast close to the island of Langeoog, we were contracted by the Norwegian oil company Statoil to work on the project together with the Norwegian arm of Halliburton and the British company EMC - European Marine Contractors.

Our task – at a depth of 23 metres – was to measure the pipeline and to fit the clamps in exactly predefined positions. Accuracy was essential, because after the clamps had been laid the Pipelay Vessel “Semac” lifted both pipelines out of the water and welded them together above the surface. We used a frame (assembly cage), specially constructed for Nordseetaucher, to fit the clamps.

The supply vessel "Neftegaz 66" was specially fitted for this job in the port of Emden. Nordseetaucher's own dive unit was mounted to the stern of the vessel.



The unit consists of the Dive Bell, A-frame, a machine house with its own power and air supply, a separate Deck Decompression Chamber (DDC) and a Dive Supply Container.



The divers were equipped with warm-water heated suits and helmets with video monitoring and communication devices, as well as a depth measuring system.

The job was completed in 1 ½ months and on 1 October 1999 Gas from Norway started flowing through EURO I and II to Germany.

NORDSEETAUCHER GmbH

Int. Diving Contractor



Wintershall Platform Removal K-10 C und K-13 B

From 1 July to 10 August 1997, we worked together with Seaway Heavy Lifting, based in Zoetermeer, Holland, to remove two Decommissioned Oil Platforms in the Dutch Sector of the North Sea.



The client was the Wintershall AG.

The supervising authority was the Dutch Staatstoezicht op de Mijnen (chief mining office). The equipment was classified by Lloyd's Register.

The supply vessel "Neftegaz-66" was converted into a diving support vessel, and fitted with an A-frame, a Wet-Bell Diving System, two Deck Decompression Chambers, etc.

The personnel comprised:

12 divers

2 representatives of the oil company

following tasks were carried out within

79 pipe measurements

15.5 metric tonnes of material hoisted on

26 underwater thermal cuts,

2690 m² supports and beams, and 975 m² rock dump examined.



12-man crew

2 supervisors

To prepare for removal the
the space of 38 days:

121 dives

263 plant growth measurements,
deck

On 1st of July 1997, the "Neftegaz-66", which had been converted into a diving support vessel, left the harbour of Rotterdam on its way to the platforms K-10 C and K-13 B in the North Sea.

After the general inspection, during which all loose parts were removed from the platforms, we started to inspect the platform supports and beams for water in leakage and plant growth.



The seabed underneath and around the platforms was then cleared of any debris. While this was being done, we discovered a 1.5 metre thick layer of iron-ore slag lying on the 10" and 2" pipelines. A hydraulic hammer was used to break up this deposit.

Once all pipes and lines had been severed, the first sections and the valve station (see photo below) were lifted with the aid of the vessel's powerful winch (tractive force: 150 metric tonnes).



A pipeline pulling head, purpose-built for the pipeline, was used to lift 2 x 17.5 m pipeline, pull the sections out of the rock dump, separate them under water and lift them on deck.

Once the location had been cleared and the platforms cut loose, the platforms were hoisted by the "Stanislav Udin", a floating crane vessel, and towed ashore.

NORDSEETAUCHER GmbH

Int. Diving Contractor



ARIANE V, Mission 517

Booster Sea Recovery

Successful Sea Recovery of the Ariane V Boosters



One project completed as part of our ongoing cooperation with IMS Ingenieurgesellschaft mbH Hamburg, the general contractor, and the Centre National d'Etudes Spatiales (CNES) Toulouse, was the recovery of the Ariane V Mission 517 booster rockets from the sea off the coast of French Guiana in Central America. Ariane 5 Mission 517 was launched on 11 December 2002.



Approximately 90 seconds after the Ariane 5 Mission 517 took off and at a height of around 60 km, it became evident that the launcher was experiencing problems with the cooling circuit for the main stage; a few seconds later it became necessary to detonate the launcher. Before this happened, however, the booster rockets detached from the main stage according to plan. After the ballistic phase, with a zenith at a height of approx. 110 km, the boosters re-entered the earth's atmosphere on

parachutes and landed as planned approx. 280 nautical miles to the east of the Space Station, which is located on the coast by Kourou.

Despite the incessantly bad weather, with wind speeds of more than 15m/sec and waves between 4 and 6 metres high, the sea recovery operation was successfully completed. During this mission, which involved dives with light umbilical and radio contact from large offshore vessels, we managed to set new fulfilment standards while maintaining the highest possible levels of safety

Our recovery plan was a great success and more than met the demands posed by the exceptionally tough conditions.



When the Ariane 5 was launched the recovery vessel used by IMS, which was fitted with specialized equipment and had on board Nordseetaucher's recovery and diving team, was located in a stand-by position approx. 6 and 14 nautical miles from the target area in the Atlantic where the boosters were expected to land. The equipment comprised dive containers, water jet-propelled offshore rescue boats,

decompression chambers and ROV's (remote-controlled vehicles fitted with underwater cameras).



The two boosters were safely landed on 6 and 8 January 2003 in Pariacabo, the port of the European Space Centre in Kourou, French Guyana. It was the successful conclusion of a unique mission to retrieve the booster rockets after deployment and bring them back for in depth examination to establish which technical modifications were required.



NORDSEETAUCHER GmbH

Int. Diving Contractor



FPSO „RAMFORM BANFF“



Floating Production Storage and Offloading Vessel Folding and securing the fairleads



Ramform Banff was built as an oil production, storage and offloading vessel (FPSO) and it features a central turret mooring system.

This turret is used to anchor the vessel as well as to produce and offload the oil.

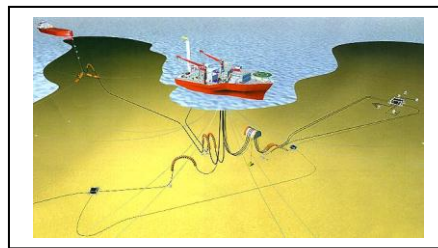
The turret mooring system is a 10-point system. The riser system contains 2 production, 1 injection and 2 flexible lines; the system can be expanded to accommodate 10/15 risers.



The vessel was built to withstand a 100-year storm with wave heights of up to 26.6 metres (87 ft). It can anchor in water depths of more than 120 metres.

The vessel is classified by Det Norske Veritas (DNV)

Before the vessel docked at Blohm + Voss for refitting, Nordseetaucher GmbH was contracted to fold and secure the fairleads - the deflection pulleys located at the bottom end of the turret - as well as supervising the lifting of the turret from underwater. When the vessel undocked the fairleads were unlocked and returned to their original position. We also carried out a number of underwater maintenance jobs at the riser openings.



NORDSEETAUCHER GmbH

Int. Diving Contractor



Wind Measurement Mast at AmrumBank West, North Sea



The Amrumbank West sandbank is located approx. 36 km south-west of the island of Amrum in the North Sea. Nordseetaucher was contracted by the Messmast-Amrumbank West consortium to position the wind measurement mast under the supervision of Hochtief Construction AG.

The measurement mast consists of a monopile, a measurement chamber and a lattice mast on which a variety of measurement instruments are mounted to collect data on wind conditions, waves, the weather and other factors.

The monopile is a 70-metre high steel pole with a diameter ranging from 2 to 3.5 metres.



The monopile prior to lowering and being rammed into position.

Measurement mast firmly secured in its final position and ready for use



The measurement chamber contains all the internal measurement and control instruments.

Numerous measurement units are mounted on the 60-metre lattice mast.

The measurement mast was rammed 23 metres into the sandbank, which is located 22 metres below the surface of the water.

The tip of the mast is 90 metres above sea level and is capable of withstanding wind velocities of up to 110 km/h and waves as high as 17 metres.

The measurements are made at eight different heights by more than 30 measurement units spread out between the tip of the mast and the seafloor.

NORDSEETAUCHER GmbH

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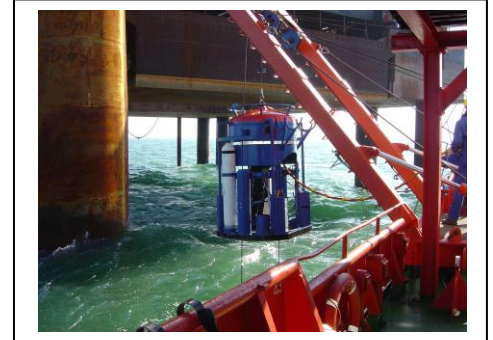


The dive base ship Aurelia, owned by Research Shipping GmbH, was used as a base for all diving work, which was carried out with the Nordseetaucher diving bell.



MS "Aurelia"

NST Wet-Bell System



The mast was towed from Bremerhaven to out location in the North Sea by a tug operated by the Fairplay shipping company.



The mast was positioned using the MEB-JB 1 lifting platform from Muhibbah Marine Engineering GmbH.



Site security services were provided by Research Shipping and Esvagt on behalf of Nordseetaucher with the vessels "Victor Hensen" and "Esvagt Charly".



MS "Esvagt Charly"



MS "Victor Hensen"

NORDSEETAUCHER GmbH

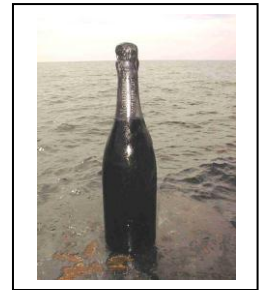
Int. Diving Contractor



Champagner Wrack "JÖNKÖPING"



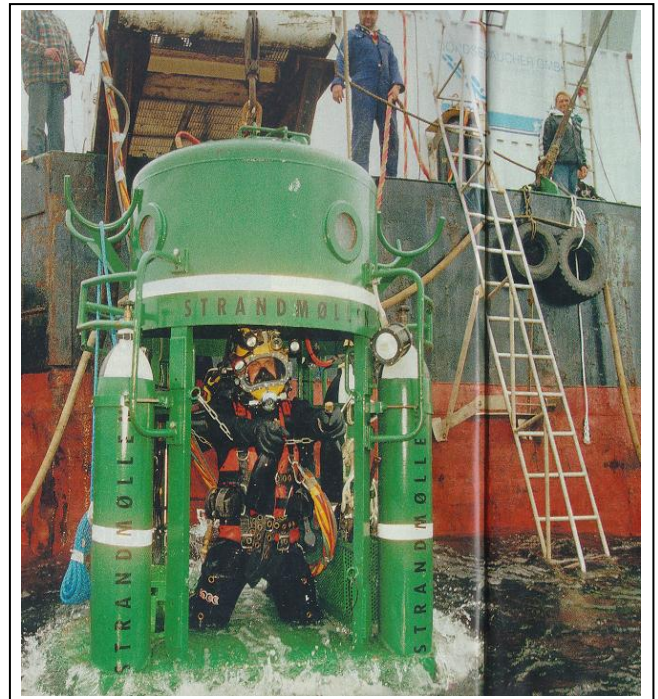
On 3 November 1916, the "Jönköping", a Swedish schooner which was built in 1896, was on its way from Gävle to Raumo - then part of the Russian Empire - when it was intercepted and sunk by the German submarine "U 22". Two thirds of the ship's cargo, which was destined for the Tsar's army, consisted of Bordeaux and cognac. There were also fifty cases of champagne in the hold, each containing 100 bottles.



For eighty years the ship lay at the bottom of the Baltic off the Finnish coast, until in 1997 we started to retrieve the cargo as part of an international salvage team.

The constant water temperature of 4°C and the pressure at a depth of 64 metres, which was precisely the same as that inside the bottles, had ensured that the corks in the champagne bottles were still firmly in place.

Tom Stevenson, author of "The World Encyclopaedia of Champagne and Sparkling Wine", is convinced that the conditions at the bottom of the Baltic Sea were ideal for the champagne, allowing it mature far better in the deepest vaults in the Champagne. He was ecstatic after tasting this 1907 vintage goût Américain wine by Heidsiek & Co.



NORDSEETAUCHER GmbH

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in co-operation with



Mossel Bay, South Africa

Client:



Qualified Professional Underwater SPM Pipeline Repair

Shielded Metal Arc-Welding

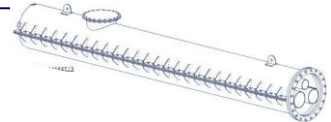
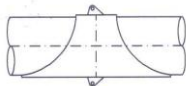
Welding



Clamp



Ultrasonic Test



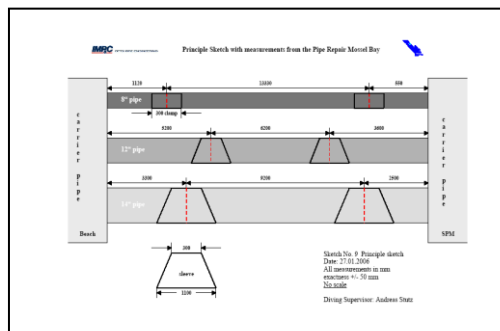
The repair method was to cut out the damaged pipe sections and weld pipe spools to the 12" and 14" lines. The 8" line was repaired by off-the-shelf screwed-on clamps. The 36" carrier pipe repair consisted of half shells with appropriate seals bolted together.



IMPaC and Nordseetaucher have awarded the contract for the pipeline repair. All lines were successfully NDT and pressure tested and they are back in service.

PetroSA's pipeline is running from an onshore tank farm in Mossel Bay, South Africa, to a loading buoy 2.5km off the coast. The pipeline was damaged by a dragging anchor during a vessel manoeuvre in 20 - 25m water depth. The line consists of a bundle of 3 product pipes (8", 12" and 14") protected by a 36" carrier pipe.

Hyperbaric dry welding involves setting up a habitat around the welding point and the actual welding process is performed in a dry hyperbaric atmosphere. In contrast, hyperbaric wet welding takes place under direct contact with the surrounding water. With the vast improvements that have been made over the past years to welding process management and welding fillers, it is now possible to produce qualified wet welding work of best quality.



NORDSEETAUCHER GmbH

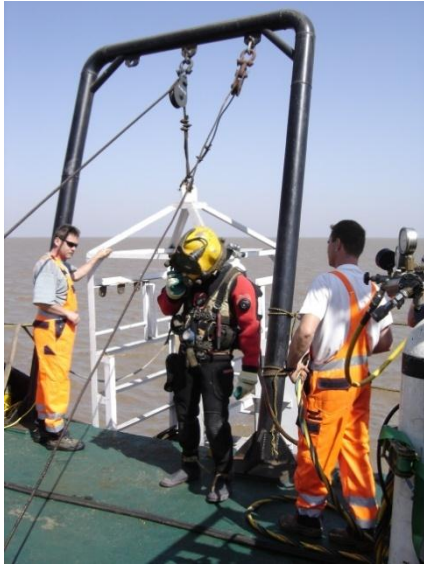
Int. Diving Contractor



Bharuch Eco Aqua Pipeline Repair, India



Cutting and Installation of a New Pipeline Section + Diffuser

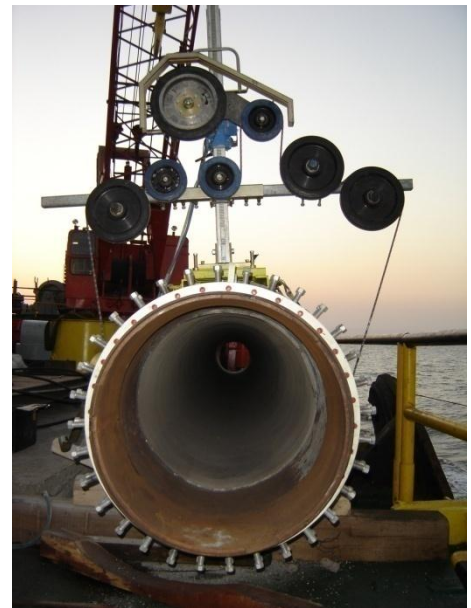


In co-operation with IMPaC Offshore Engineering GmbH and under contract of ESSAR Construction India, a 30" water pipeline was repaired.

The Pipeline got damaged during installation from a pipe laying barge in heavy weather. Approx. 12 miles offshore.

At first the damaged pipe was cut under water with a rope saw. After that the cut pipe has been connected with a Plidco Pipeline Clamp.

The especial difficulties during the operation was the tide water of up to 10 metres height and the extreme water current. Because of the sediment there was no visibility under water.



After the successful repair the two pieces of the diffuser were flanged with the pipe.



NORDSEETAUCHER GmbH

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Approval as Service Supplier for Inwater Survey of Ships and Mobile Offshore Units



Germanischer Lloyd, Germany

Österreichischer Lloyd, Austria



Det Norske Veritas, Norway



Lloyd's Register, United Kingdom



Bureau Veritas, France



American Bureau of Shipping,
USA



Nippon Kaiji Kyokai, Japan



Russian Maritime, Russia

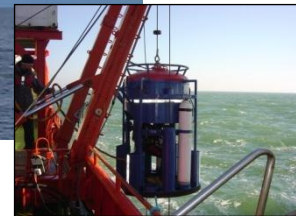
NORDSEETAUCHER GmbH

Int. Diving Contractor

MV "AURELIA"



Hempel Shipping GmbH



Class: Bureau Veritas
Sailing: Unlimited according to Ice Class GL E3

General

Flag : Luxembourg
LOA : 53,70 m
Beam : 10,50 m
Draft : 4.33 m
GRT : 742
NRT : 221
Speed, max. : 12,5 knots (economic transit speed 9.5 kts.)
Fuel cap. : m³
Fresh water cap. : 40m³

Deck

Deck space, aft : 190 m²
Container Deck : 65 m²
Wich Deck : 35 m²
Deck crane : 3,6 t

Winch aft : 5 t

A-Frame starboard : 3 t
A-Frame aft : 15 t

Moonpool : Ø800 mm

Technical specifications

Main engine : 970 kW
Bow thruster : 130 kW
Stern thruster : 130 kW
Generators : 2x129 kW MAN
380V/50Hz

Laboratory

Port side : 12 m²
Starboard side : 15 m²

Accommodation

Singles : 1 person
Doubles : 16 persons
Messroom