

Reminiscences



The first Hydrex magazine was published in 1975, just a year after the company was founded. It was always my intention to create a dedicated publication because we were working on so many new ideas.

This first issue was more of a leaflet than a real magazine. In the early years publication was very sporadic. The means we had at that time were limited and we didn't have a separate promo division then. We created a newsletter when we had something really important to share.

At the end of the eighties we started to write more regular magazines. We wanted to increase our impact on the shipping industry in general and help the industry to become more ecological. To do this we needed to strengthen our position. The magazine was a key factor in achieving this. We increased the frequency from a quarterly publication to a monthly one by the end of the nineties. It has been published every month ever since.

The very first magazines

The early issues of the Hydrex magazine are unfortunately lost, but the pictures used remain. One of the very first operations that was written about was the prefabricated cofferdam repair on m/v Lunar Venture.

The ship had suffered a very large gash in its double bottom and Hydrex was asked to find an on-site solution. Because the available options were not good enough a revolutionary new technique needed to be used: a prefabricated cofferdam.

In 1979 it might have looked like youthful arrogance to people in the shipping business but as with most ideas introduced by Hydrex, it led to the development of a repair technique still in general use today.



The cofferdam filled with water, allowing it to sink. Later it was dewatered with compressed air and gained positive buoyancy.



Diver in hard hat diving suit.



Hydrex headquarters in the early days.



In the 1980's this diving tank was installed in Hydrex premises for training purposes.

From black and white to color

uring the eighties the Hydrex magazine was printed only once a year, but by the time the nineties arrived it had changed into a quarterly publication. In 1993 color was introduced, first only now and then but soon the magazine was in full color.

The purpose remained the same: To inform our customers and prospects of the operations our teams performed around the world and to share with them all the latest news.



Hydrex Flying Squads

Hydrex is famed for its speed of reaction and interven anywhere in the world, and at very short notice, n, Rio de Janeiro, Santa Cruz de Tenerife, U.K., West-Germany Hydrex flying squads service ships throughout the world.

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HYDREX N.V. – AN OVERVIEW

A newsletter for shipowners, their technical managers and superintendents on the

During his time at University Boud Van Rompay, the founder of Hydrex was introduced to cave diving and rapidly developed a life long love affair with the water. His diving activities rapidly let to an introduction to the world of commercial diving which was, at that time, in it's infancy.

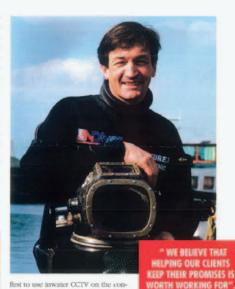
economics of underwater ship maintenance

During the oil crisis of the early seventies he recognized the need for an effective industrial solution for the cleaning of vessels affoat in order to save fuel. Few options existed at that time and, armed with the knowledge and viewpoints that he had gained working offshore, Boud Van Rompay formed Hydrex NV.

Hydrex started trading in 1974 and every year has seen the introduction of new innovations. Hydrex were the

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tinent, a fender system was designed and built that allows the cleaning of the inboard side of vessels in port. Improved techniques for the safe blanking of seawater intake grids diving industry in general, many of were introduced. Hydrex designed, perfected and built a cofferdam system that allows dry reparis to be ver, has not changed, the philosophy completed to vessels affoat. Hydrex and prime policy of Hydrex has were the first to introduce inwater coded welding repairs. The equipment and methods for the inwater repair of propellers were invented by Hydrex, the list is endless.

Since 1974 many changes and advancements have been seen within the them instigated by the pioneering attitude of Hydrex. One thing, howealways been, and always will be "We Always Deliver What We Promise" and Hydrex promises quality, cost effective solutions for the maintenance and repair of vessels afloat

UNDERWATER FLASHLIGHTS

forwarding department is underwater flashlights to 100 readers of our cards have been received We wish to thank you for

have been sent back. They allow us to keep you informed on the subjects which are of interest

In the present Newsletter, we focus on the subject underwater repairs which interest to our readers.

NEW COMPUTER LINKED VIDEO UNIT

In September 1989, Hydrex acquired era unit. This installation permits the a sophisticated mobile video/com-

poter installation for use with major the diver immediately onto the video fully mobile unit comprising video re- will simultaneously present the inand power generator for the TV cam- and the written comment



IAY: DAMAGE ASSESSMENT N RIO DE JANEIRO.

May, a team of divers flew over to de Janeiro for an extended inspecon of major hull damage on board a

MAY: BREMERHAVEN, WEST GERMANY.

so in May. Hydrex renaired a crack of a 3 022 dwt general cargo vessel. The crack was located in area of the

UNE: HULL SURVEY IN SANTA

om June 16th to June 22nd, diving y of the damaged hull of a 22 138

derwater repairs were carrie

IN PORT TALBOT, UK. In July, again a Hydrex tear

the shell plating on the flat bottom ne room and repaired by welding subler plate on the damaged are

was on the move. This time t coast of the UK to polish bladed propeller of a 143 745

New address for Hydrex UK. Our UK office has changed its address t 55, 57 Aldershot Roa Fleet, Hampshire GU13 telex nr. 858022 Telephone and fax nur remain unchanged

HYDREX AT YOUR SERVICE

For some years already Hydrex has been operating offices in Holland, Belgium and France, coordinated through our central Antwerp office.

In addition to our own offices plus

Hydrex also established partnerships
equipment depots in Belgium, with Semco Marine, Singapore, and Holland France and U.K., we have an Hydrospace of Dubai. Agents range operated with Messrs. Repropel (50/ 50 Lisnave and Lips Drunen.

Hydrex also established partnerships with Semco Marine, Singapsee, and Hydrospace of Dubah. Agents range from south to north and east to west. Hydrex is at your service via a vast network of agencies (•), associations of \$0.000 (1.75) - 0.000 (1.

(and own Hydrex offices.

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Celebrating 20 years of Hydrex and the magazine

In 1994 Hydrex celebrated its twentieth birthday. The magazine followed a year later. By then we had established ourselves as a world leader in underwater ship repair and maintenance services. Despite sending dive teams across the globe, we were never just a diving company.

This was once again clearly demonstrated by this article in the October 1994 issue of the magazine. In it we wrote about a very complex repair performed in Dunkirk. At that time, this was the biggest underwater welding operation of its kind that had ever been done.



ver the years we have received many recommendation letters from ship-owners, classification societies and even the U.S. Coast Guard. The one on this page was sent to us in 1998 after a complex welding repair on a bulk carrier in Baltimore.

No one believed the operation could be done afloat, but after its successful completion they were more than willing to admit they had been wrong.

S. Department Transportation

Commander
U. S. Coast Guard Activities

2401 Hawkins Point Road Baltimore, MD 21226-1791 Staff Symbol: C-S Phone: 410-575-2661

16711

HYDREX International Underwater Contractors Attn: Sonja De Bruyne Haven 29 Noorderlaan 9 2030 Antwerpen Belgium

Dear Ms. De Bruyne:

We have received your facsimile letter dated March 13, 1998 requesting some type of Coast Guard endorsement for the work recently done on the M/V IOLCOS PIONEER. As a regulatory agency within the international maritime community, we are not able to issue any recommendations concerning the merits of individual companies.

However, we do not hesitate to commend the approach and method used to insert the hull bottom plating. This expertise, combined with the knowledge, workmanship, and professionalism of the individuals performing the work, enabled the vessel to proceed to sea without going to dry dock for repairs.

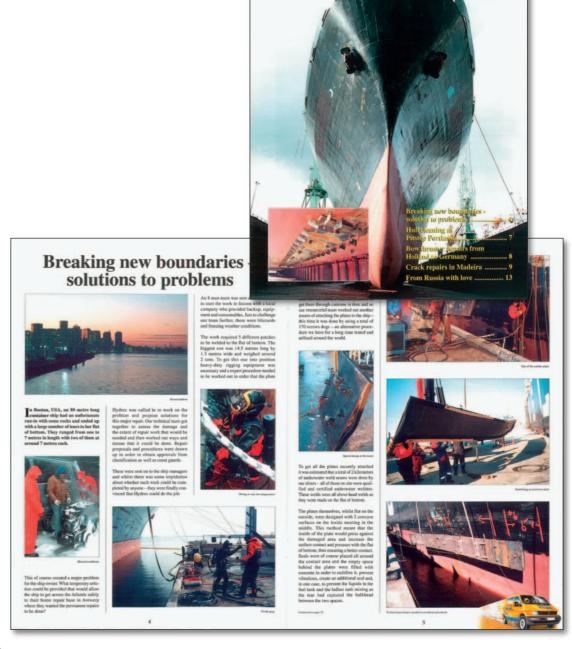
If you have any questions, please feel free to contact Lieutenant John Nadeau of my staff at (410)-576-2661.

Sincerely,

Commander, U.S. Coast Guard Chief, Operations Prevention Division By direction of the Captain of the Port

Big operations, big articles at the end of the century





A growing company constantly looking for new opportunities

A state-of-the-art fast response center was constructed to allow us to keep providing our customers with the best possible service.

This new warehouse included a dedicated location for our R&D division. One of the new technologies developed here is our cold propeller blade straightening machine. First introduced in our magazine in 2001, this method has gone through many iterations since then and is still in use twenty years later.

Throughout the years there has also regularly been room for a less serious moment in our magazine, as is illustrated by this cartoon from 2002. By then the magazine had become a monthly publication.



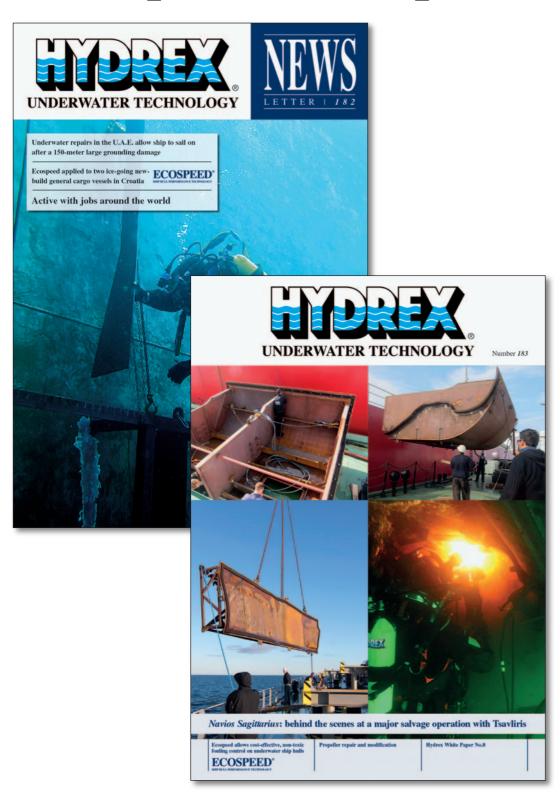
Thruster repairs

Magazine Hydrex gets European Union approval for Life Project ... 7

Seal repairs



Complex steel repairs



Writing about a wide range of operations

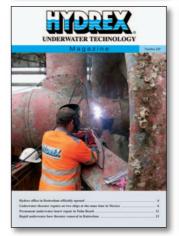
In the last twenty years the Hydrex magazine has arrived on our customers' desks every month. In this period we have written about many new technologies developed by our R&D department. Some have been tailor-made solutions for a specific problem, others are still used by our divers on a regular basis.

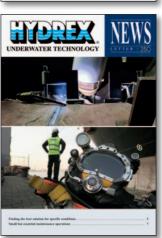
A very good example of this is our flexible mobdock used to replace stern tube seals underwater. Introduced in 2002, this technology has been used on hundreds of seal assemblies since then. The image of one of our divers working inside the mobdock (bottom right on previous page) is well known to regular readers of our magazine.

The two covers at the left of this page are both from 2011. Two tailor-made, complex hull repairs were carried out almost back-to-back. One of them was the replacement of an entire hull section – a feat never done before.









Writing about a wide range of operations

In 2018 we wrote an article about the history of underwater welding and the part Hydrex has played in this. We have been at the forefront of wet welding since 1974. In this period we have regularly introduced new welding techniques. We have also developed new equipment that makes it much easier to monitor and test the weld seams.

This has been done by our inhouse R&D department who cooperate closely with our diving teams. Together they help us carry out the research required to keep evolving the available welding techniques.



This led to a new breakthrough in 2020 when we received a grade A wet welding certificate. The certificate was given for carrying out grade A groove welding underwater. Most companies with a wet welding certificate can only carry out fillet welds and this often only to grade B or C.

On to the next 300 magazines

It has been 46 years since the first Hydrex magazine was published, but 300 issues later it is still going strong. A lot has changed from the early days when it was a black and white leaflet until the fully fledged magazine it is today, but for us the goal is still the same: To inform our customers, the market and everyone involved in a neutral way on the latest technological advances.

The photographs are all taken with a digital camera now and the entire process of creating the magazine is done with a computer, but once the final



approval has been given the magazine is still send to a printer.

It is always nice to see our magazine lying around when we visit customers, whether it is in Hamburg, Hong Kong, Tokyo or New York. It means that it is being read all over the world.

We really hope you enjoyed this journey through the history of our magazine as much as we enjoyed going through the archives and putting it together.