

# NEWSPLASH

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Van Heck's pumps did their useful work in the historic locks in Muiden.

EMERGENCY? VAN HECK IS ON THE SPOT FAST!

## DROUGHT IS A NEW PHENOMENON FOR DUTCH WATER AUTHORITIES



EMERGENCIES

### DEFECT BYPASSED, BLOCKAGE SOLVED AND FLOODING PREVENTED

On the last afternoon before Christmas, Covestro, a producer of polymers in Antwerp, called about a problem with a cooling water pump. A question of rapid switching, drawing up an offer and checking who could work. Approval on Boxing Day and the next day a man was sent to Antwerp to measure up the available space (which proved to be challengingly small). Engineering at the office and materials onto the truck. The next day: set up at Covestro and on the following day, the pumps were up and running. The members of Van Heck's 10-man project team were able to celebrate New Year's normally, at home.

**BLOCKAGE!**

Problem: sand somewhere in a 670-metre-long culvert. Solution: rinsing clean. Needed: powerful pumps (10 bar and a flow of 3200 m<sup>3</sup>/hour). Client: Van Oord. Location: near Vlieland. Pumps on Multicat with little space. Implementation: Van Heck. Result: succeeded.

**FLOODING!**

A classic emergency with excess rainwater. Just when a pumping station near Ter Idzard was being renovated, it rained cats and dogs for days. Wetterskip Fryslân called at 3.00 p.m. on Monday. At 2.00 a.m., the electrically powered pump was operating at full strength again.

**VAN HECK BACK TO NORWAY FOR STATOIL**

### SATISFIED CUSTOMER RETURNS

In 2017 Van Heck made an important contribution to an ingenious project at Statoil in Norway. Boring heads that were needed to drill long pipelines through rocks were cooled with water pumped up by Van Heck. The pipes

that Van Heck used for this were left at the location and now had to be used to rinse out the production pipeline laid by Statoil. Van Heck completed this extensive job commissioned by Halliburton.

**ISO 9001 AND ISO 45001**

### PASSED WITH FLYING COLOURS

At the end of 2018, Van Heck underwent an audit by Bureau Veritas and emerged with flying colours. These important certificates for the ISO 9001 and 45001 standards show that Van Heck's working methods are also recognised internationally.

While surplus water is often a reason to call the Van Heck emergency number, today the hotline also often rings because there is not enough water. Last summer, the familiar Van Heck pumps were ready for the Dutch water authorities within 24 to 72 hours of reaching agreement.

In the historic sea locks in Muiden, it was up to Van Heck to pump back shored water. It proved impossible to lift the three VP800s into the locks with a crane. The inventive solution was to hang the pumps between pontoons and sail them into the locks, with just a few centimetres to spare. It was perfect

teamwork between Van Schie and Van Heck, which provided a unique show for the many watchers on local cafe terraces.

At Wijk bij Duurstede, Van Heck ensured that growers in the Betuwe were able to continue watering their fruit from

the Crooked Rhine. At Doesburg, too, it was necessary to ensure that water levels were maintained in a sailing route, the Oude IJssel. At De Hoeve, fish in the Noordwolder Vaart were saved from an oxygen shortage due to the low water levels; Van Heck provided the water.



VAN HECK PROVIDES PLAN B

### THAILAND RESCUE OPERATION IS WORLD NEWS

Jeroen van Heck became involved in the rescue operation that dominated world news for a week: the young football team trapped in a flooded cave in Thailand. On seeing the first images, he knew at once that Van Heck's knowledge and experience could play a role there.

Jeroen says: 'I've experienced more than a few emergencies. I've seen evacuations, people in fear. But this was different. People's lives were at risk here, children's lives. One diver died a hero's death. There was huge pressure to get the boys out alive and healthy. It was an enormous relief when that succeeded.' Jeroen immediately had an idea that something could be achieved with

siphoning techniques. After a difficult process of making contacts, he was asked to come to Thailand. A plan was hatched there, in the chaos among hundreds of rescue workers and journalists. Jeroen put together a team of men and pick-ups to buy equipment at local building markets. In the meantime, the home front designed and tested a system and gathered the specialised equipment for

this. A delivery van full of boxes and a three-man team from Van Heck set off for Schiphol. Shortly before checking in, they received a message from Jeroen in Thailand: STOP! The first group of boys had been rescued from the cave, and this working method would be continued. If it went wrong, plan B would be started up: Van Heck's siphoning plan. In the tense days that followed, Jeroen was there and the team in the Netherlands was on continual stand-by. Ultimately, Plan A proved to be enough and the children were saved!



**VANHECK**

MOVING WATER  
any way you want it



## VAN HECK A SERIOUS PARTNER IN OFFSHORE CABLE LAYING

Offshore cable laying for wind farms is an important growth market for Van Heck. The pump specialist is a pioneer in innovative developments and is therefore deployed by leading companies for jetting projects. These have recently included Boskalis, Modus and the Prysmian Group.

Van Heck seeks and always finds the optimal solution. The engineers have a say in the fields of flow and pressure measurements, remote controls, deck designs, water supply and manifolds. In the case of jetting, environmental friendliness is also an issue. The Van Heck power packs can therefore run just as easily on bio-oil.

towards this, commissioned by Boskalis. For this plan, the technicians engineered the entire deck plan, a sliding frame. They also produced custom pipelines and cables. A vessel with four diesel pumps, four hydraulic pumps and four aggregates worked 24/7 for months, with no problems.

### ONE NEEDED, ONE SPARE

Two powerful high pressure pumps were supplied and installed for two jetting projects on the North Sea for

the British Modus company. Because a pump cannot easily be replaced at sea, a spare set is always on board in offshore projects. These have never yet been necessary, which says something about the quality of the equipment. There are reasons why a supplier's audit by Modus showed that Van Heck always supplies what Modus asks for. And what do they ask for? Pure quality!

### A ROYAL TOUCH

Via a trade mission in Bremen, where Jeroen van Heck was able to update the Dutch King and Queen on the latest developments, the company won an order for a wind farm being built by the Prysmian Group. Apart from equipment, Van Heck also supplied a service engine that was very closely involved in both the highly complex construction in Rotterdam and Middlesbrough and in laying the cables themselves in the North Sea north of Eemshaven.

### A WORLD FIRST

It was a world first: a wind farm built without subsidies. Van Heck contributed

*'Offshore cable laying for wind farms is an important growth market for Van Heck.'*



### LARGE AND SMALL PROJECTS BENEFIT FROM SIPHONING

## CHEAP, GREEN, QUIET AND SIMPLE

Why make things difficult when they can be simple? If that simplicity is also coupled with cost awareness, environmental friendliness and silence, why would you choose anything else? When customers request pumping, Van Heck often advises using siphoning technology.

In Ad Duqm, Oman, a brand-new harbour basin had to be filled - with almost 10 million m<sup>3</sup> of water! Jeroen says: 'Through the application of siphoning technology, a great deal of fuel was saved here!' The difficulty here was that the water had to be brought into the basin in a controlled manner in order to avoid damaging the dam walls. The client Boskalis was very satisfied with the resolute way in which Van Heck

addressed the project. A similar project will follow in 2020. Both for the installation of a culvert in Ecopark De Wierde near Heerenveen and in a modification of the waste water treatment plant in Kootstertille, the client had asked Van Heck for a pumping unit. After thorough discussion, the recommendation was: siphoning. For this was easier, cheaper and quieter. Clients Haarsma and Friso Civiel were

both pleasantly surprised by this practical solution.

In order to build a culvert in the Ruiner Aa, Oosterhof Holman asked for the stream to be temporarily diverted. The great advantage of siphoning technology here was that there were no rotating parts in the water, so that fish could pass without risk. An additional advantage of silent siphoning technology: nature is not disturbed.

Oman



Ecopark De Wierde



Ruiner Aa



SEA TROPHY IS READY WORLD-WIDE

## EXPERT IN SALVAGE JOBS

Van Heck is very well equipped for salvage jobs. The smart emergency pump Sea Trophy is an important tool for pumping away oil. Another asset: Van Heck's innovative thinking.

In Den Oever, the Luyt Group had a problem with a sunken dry dock. Time to call on the innovative thinking of Van Heck. Jeroen explains: 'On our advice, the dock was checked for leaks and divers sealed off the biggest holes. Two VSHP400 pumps were then placed through a hatch of less than a square metre in the body. The pumps were switched on at low tide and the dock was floating within 90 minutes. Partly by allowing the lifting mechanism to "tug", for the bottom was stuck in the sludge.' Van Heck completed this salvage job relatively cheaply, primarily thanks to its innovative thinking.

### SEA TROPHY: THE MASTER

The Sea Trophy, the pump developed by Van Heck for salvage jobs, fits into a pipe with a diameter of 200 mm and has an impressive flow of 70 m<sup>3</sup>/hour. In an emergency, the Sea Trophy pumps fuel tanks empty at high speed, to avoid environmental disasters. The pump also greedily slurps away off-spec oil, so that ship owners can limit the delays. The compact dimensions make this award-winning pump deployable in the pipeline network of the most modern vessels with an FOR system. The Sea Trophy can be deployed world-wide within 48 hours; if a contract is concluded, within a maximum of 24 hours!

## HK800 IS THE STANDARD

While Van Oord previously gave preference to two HK700 pumps for pipeline laying, the standard today is one HK800 from Van Heck. The reason: the engineers have developed the HK800 further, to create the most powerful mobile pump in the world.

It is only a matter of time before the engineers pass the milestone of a flow of 10,000 m<sup>3</sup>/hour.



This superstar has proved its quality and reliability in projects in difficult conditions, in countries including Egypt and Nigeria. The most difficult part of laying pipelines is in the surf ('near shore'). Plowing the trenches is a complex project and this very powerful pump offers a solution here.

### MOVING WATER ANY WAY YOU WANT IT

## IT'S (ALSO) THE LITTLE THINGS THAT MAKE THE DIFFERENCE

Large projects can be quite straightforward while smaller ones can require much innovative thought. And vice versa. Van Heck therefore never regards itself as too big for...

### ROYAL SMALS

Sand was recovered again from a closed sand extraction site at Lomm in Limburg. Commissioned by Royal Smals, Van Heck pumped water out of the nearby Meuse river in order to keep the water level high enough.

### DE SAMENWERKING

New client De Samenwerking had a job in the countryside close to home. A ditch had to be diverted for a few weeks so that a culvert could be installed in order to facilitate an ecological connecting zone.

### STERK HEIWERKEN

Sterk Heiwerken is building a new quay in Bremerhaven. The deadline: Sail 2020. Van Heck has to pump the space between the old quay wall and the new one built in front of it dry, so that the old quay wall can be demolished. This work continually relocates, so the pumps move with it.

