

NEWSFLASH

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Sometimes our projects are the stuff of films. This time literally: for the shooting of the epic film 'The Battle for the Scheldt', Van Heck's red pumps were used to flood a polder so a British glider could crash into it. Whether this was successful or not you'll be able to see during the film's premiere at the end of 2020.

VAN HECK PLAYS ROLE IN FILM

THE FORGOTTEN BATTLE



IN THE MEANTIME...
13.300 KM FURTHER AWAY...

There are few remote corners in the world where Van Heck's pumps have not yet made their presence felt. Australia, the Middle East, West Africa, South America... East Russia was the only place where they had not yet been installed. That is until Van Oord approached us with a complex job at a location where the Muchke River flows into the extreme north of the Sea of Japan. Challenge

number 1: transporting the pumps and accessories by air to Singapore and from there to Muchke by ship. Number 2: get the Van Heck service technician with 'Russian for Beginners' in his pocket to Muchke. Number 3: pressure and return pipe installed in a very small culvert under a railway. Number 4: a tight deadline; the winter there is merciless. Van Heck successfully completed the job.

VAN HECK SUPPLIES PUMPING UNIT TO FRIESLANDCAMPINA

CUSTOM WORK DOWN TO THE SQUARE CENTIMETRE



Occasionally one of Van Heck's pumping units must be temporarily installed right in the middle of an industrial plant. Generally, there is little space and the solution must be thought out down to the centimetre. Van Heck has implemented such solutions in the past for chemical giants DOW and BASF in respectively

Germany and Belgium. This time we received a call from FrieslandCampina in Leeuwarden in the Netherlands. They were in urgent need of a temporary cooling water pump. There was little time, little space, and a complex solution with an overflow valve was required. We succeeded in this and Van Heck left behind an impressive calling card at FrieslandCampina.

A funny detail: this client found Van Heck through Google Maps. When they saw the impressive quantity of materials on our premises, they were convinced we had to have the solution in-house!

JETTING IS BOOMING

The builders of offshore wind farms are increasingly finding their way to Van Heck. Because companies such as Boskalis, Modus, Van Oord and the Prysmian Group are looking for experience. Van Heck has gradually acquired this experience over time. Both close to home in the North Sea, and further afield off the coast of North America and Bahrain, and in the Baltic Sea.



Van Heck's most powerful pump – and the most powerful pump in the world as well – is at home in offshore cable laying projects. This red powerhouse travels around the world. For example, for the Prysmian Group to the North Sea, the Mediterranean and the US and Bahrain



coasts. For Boskalis, Van Heck made a major contribution to the construction of the Borssele wind farm off the coast of the Province of Zeeland.

WIND TURBINE FOUNDATIONS

The powerful pumps also offer a solution

for the foundations of wind turbines. Due to the presence of harbour porpoises, there is a ban on driving monopiles in the Baltic Sea. This is why they are vibrated into the seabed. When the seabed is too sticky, the sludge must be removed quickly and with great force, so that the monopile continues to move.

Van Heck provided a smart solution. First, there are pumps that rinse out the mud on the inside of the hollow foundation, thus reducing their resistance. Secondly, there are pumps that increase the pressure at the spraying nozzles in order to blow away the sludge. The client Van Oord was very satisfied with this ingenious and reliable solution.



VAN HECK'S PUMPS AT WORK IN SPIJKSTERPOMPEN

The renovation of the two pumps in the Spijksterpompen pumping station went smoothly. This was made possible through the excellent cooperation with all involved parties, smart anticipation and especially by working in accordance with an existing emergency plan.

'Wow, that was fast!' This reaction by the employees of the Noorderzijlvest Water Authority did not come as a surprise to Van Heck. Since there already was an emergency plan, we were able to simply follow this plan, thus saving a great deal of time. The fact that we were not dealing with an emergency situation is irrelevant. Because the plan enabled Van Heck to work efficiently, the client saved money. Investing in an emergency plan therefore has a payback this way as well.

ALSO FOR COMMERCIAL ENTERPRISES

Van Heck regularly develops emergency plans for Dutch and German water authorities. A new addition is a British water authority and a commercial enterprise: Gate Terminal. This LNG import terminal on the Maasvlakte must be assured of a water supply at all times. If it malfunctions in some way, the emergency plan is activated. With a 100% guarantee; confidently fully backed by Van Heck.

If you think your organisation would also benefit from an emergency plan, do not hesitate to contact the specialist in this field without any obligation: Van Heck.

 **VANHECK**

MOVING WATER
any way you want it

SALVAGING OR PUMPING OUT A DRYDOCK? VAN HECK!

Salvaging jobs speak to the imagination and often require impressive discharge rates. Our client engaged Van Heck's knowledge and its pumps in order to raise a drydock in South Europe. There were deployed eight large pumps. A special aspect was that a number of pumps had to be assembled below water. The drydock was afloat in a few days, enabling the repairs to be made.

The pumps from Noordwolde, the town where Van Heck is domiciled, are increasingly found at drydocks in the Netherlands. Royal Van Lent decided to split up a dock in Amsterdam by installing a dividing wall. A combination of electric pumps was needed to empty out half of the dock. A powerful pump for the large volume, two smaller ones for the

last bits and two continuous pumps to control the leakage water. The client was very happy with Van Heck's calculations and recommendations. The dock does not have any of its own pumps, because there is relatively little water to be pumped out. In this case a quick call to Van Heck is easier than acquiring and maintaining in-house pumping units.

Van Heck drained a newly developed dock for De Vries Scheepsbouw in Makkum, a village in the Province of Friesland. The decision here was to install in-house pumping units, but first Van Heck had to create the required space. The job was completed in fourteen hours using the reliable hydraulically driven VSPH400 pump.

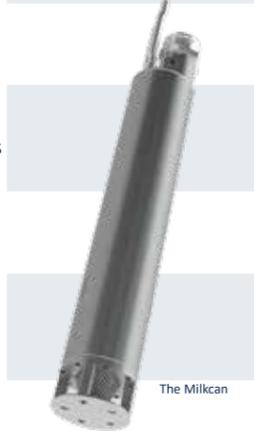


VAN HECK'S FAST OIL RECOVERY PUMP: SEA TROPHY/MILKCAN SMALL HOLE, MAJOR POTENTIAL

Do you see the red circle on this page? The smallest powerful emergency pump in the world is able to operate through such a small hole. Important work, because environmental disasters can be prevented when a ship becomes stranded or expensive time is recovered when the wrong heating oil is taken on-board and must be pumped out.

The Sea Trophy can be used standalone in bunker tanks or with the Milkcan in cargo tanks. The Milkcan also fits through a 200-mm diameter hole and makes it possible to pump through a manhole, ship's hatch or a drilled hole. This way fuels and oils are easily and efficiently secured.

Complete rental kits with the award-winning Sea Trophy are ready for immediate transport in the United States, Singapore and the Netherlands. This emergency pump can be available anywhere in the world within 24 hours. For more information about this Van Heck invention – crowned with the Green Award quality mark – call or email us.



The Milkcan

View the demo at Seatrophy.com

SEATROPHY

FROM A TO B, PROVIDED B IS LOCATED LOWER THAN A

Two Van Heck service technicians travelled to central Germany twice for a few days to construct a siphoning system and to disassemble it again once the required work was completed. There was a need to divert the water in concrete gutters so as to enable the client Roxeler to renovate a water purification plant. The Van Heck engineers saw that there was a height differential at the site and promptly exploited this feature. Siphoning is a solution for channelling water from A to B, provided B is located lower than A. Moreover, it is an energy-efficient solution; after all, gravity is always present.



MOVING WATER ANY WAY YOU WANT IT IT'S (ALSO) THE LITTLE THINGS THAT MAKE THE DIFFERENCE

A CLIENT WITH A GREAT DEAL OF KNOW-HOW

Hegeman GmbH is one of our many permanent clients. In addition to the pumping units it has acquired, this dredging company also regularly rents pumps for some of its jobs. For example a HK5000 pumping unit to keep the Eems River at proper depth. Advantage: this client already fully possesses the know-how that Van Heck supplies as part of a rental arrangement as a standard service.

SMART AND QUIET SOLUTION

While a pumping station near Vollenhove in the Netherlands is being renovated, two noise-attenuated Van Heck diesel pumps ensure that the station continues to be operational. Because the water must be pumped into as well as out of the polder, Van Heck installed floaters for the clients Bagger- en Waterwerken Oosterwolde and the Drents Overijsselse Delta Water Authority.

SMALL SUBMERSIBLE PUMP DELIVERS HIGH PERFORMANCE

Contractor Jelle Bijlsma, under contract to Weterskip Fryslân, will be renovating a pumping station near Wirdum this year. The smallest electrically driven submersible pump proved to be the most suitable solution. Smart: a malfunction alarm ensures that a text message is sent to Van Heck in case of excessively high water. A second pumping station has since been renovated the same way to the client's satisfaction.

Hegeman GmbH



Vollenhove



Bijlsma



SUBMERGING AN INVERTED SIPHON... WHAT COULD BE SIMPLER?

Sometimes, something appears to be complicated, while the solution proves to be simple. In this case something appeared to be simple, but in fact proved to require a great deal of precision. A typical job for Van Heck. Three huge drinking water pipes with a diameter of over two metres had to be sunk to the bottom of a branch of the Bergse Maas River in the Biesbosch nature preserve.

The pre-engineering resulted in an impressive list of pipes, hoses, adapters, flanges, flowmeters, butterfly valves and of course pumps. When the crowning moment came, the job still called for a number of creative solutions to be devised on-site. By gradually pumping

water into them, the three inverted siphons were sunk to the bottom in a controlled manner at precisely the same time. The job was completed to the satisfaction of the client combination Denys (Belgium) and Van Oord (NL).