

# NEWSFLASH

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Queen Maxima and Jeroen van Heck. Foto: Dutch Embassy Berlin/Michael Bomke

JEROEN VAN HECK EXPLAINS THINGS TO THE ROYAL COUPLE

## TRADE MISSION WITH THE ROYAL FAMILY OPENS IN EAST GERMANY



### CREATIVE CUSTOM MADE WORK DELIVERED

With maintenance due on the distinctive weir at Maurik, a temporary structure was placed in front of the weir. To test it, the water between the two weirs was pumped out. Space was limited, but after some ingenious

brainstorming, three compact submersible hydraulic pumps were found capable of doing the job. Jongema, BSB Staalbouw and Van Heck joined together in a Frisian team to complete the Betuwe area project.

### VAN HECK DRAWS UP CONTINGENCY PLANS FOR WATER BOARDS BE PREPARED!

Disasters happen – you don't plan them. Really? At Van Heck, we are stubborn in our assertion that emergency situations can be planned for. A crisis becomes manageable by describing



potential scenarios and incorporating them into a plan. Van Heck's contingency plans prevent the very worst from happening.

Van Heck is drawing up contingency plans for several water boards. For Waternet, there will actually be an entire series, around 40 of them. Contingency plans are also being drawn up for the German 'Wasserstraßen und Schifffahrtsverwaltung des Bundes' (WSV), with water boards in Magdeburg among others, to deal with flooding near the Elbe, a region where Van Heck recently provided support.

For anyone interested, a brand new folder on contingency plans is available. Call Van Heck: +31 (0)561 – 431 739.

### CALCULATING AND DRAWING IN THE FIELD

Very little time, limited space, changing requirements in various phases and growers needing water. In other words: a typical (intellectual) challenge for Van Heck when commissioned by Heijmans to replace a railway bridge at Culemborg. A technical tour de force ensured success.



Could Jeroen van Heck accompany Queen Maxima and explain things at a presentation on 'Hochwasser' (flooding)? Not something you turn down! So off we went in our best attire to a trade mission to East Germany. Present were also directors of water boards which were former clients of Van Heck. The two days with our eastern neighbours earned our Noordwolde company several requests for quotations, including ones from Hamburg and Berlin.

Jeroen: "It's really interesting to travel with the royal couple. Everything revolves around them and every minute is occupied. Because the King is actually a graduate in water management, it was quite unusual to be invited as a

professional. I was very honoured." The Director continues: "What was also special was the visit to the city of Grimma on the Mulde, a meandering river which runs into the Elbe. The city centre is completely protected from

flooding by walls containing hydraulic doors, very impressive." Nevertheless the mayor asked Van Heck for a pump, just in case the wall isn't high enough.



### DEAL FOR SEA TROPHY WITH CMA CGM

After years of development and innovation, the first contract for the guaranteed availability of the Sea Trophy has been signed. The signatory is of no less importance: the French CMA CGM, one of the largest shipping lines. As such, the global player underlines its environmental responsibility, with the firm providing an example to the sector.

The deal guarantees the immediate worldwide availability of the Sea Trophy disaster relief kit on CMA CGM ships. Jeroen van Heck: "The contract specifies 'within 24 hours', but I'm assuming that much less time will be needed." The kit comprises a complete set of tools and accessories including the hydraulically powered Sea Trophy, suitable for

pumping out incorrectly filled fuel, or emptying out fuel tanks in emergency situations at sea. The pump works with the FOR system (Fast Oil Recovery), with which the CMA CGM ships are equipped.

Jeroen van Heck: "We are proud to be able to cooperate with a progressive shipping line like CMA CGM and thus

contributing to cleaner oceans. This is particularly important because this line prioritises safety and has the highest number of vessels equipped with an FOR system." The Managing Director continues enthusiastically: "This is a major success for Van Heck, this first contract for the Sea Trophy, and with such a major line too. We're not there yet; we'd really like to see more lines taking on this responsibility."



MOVING WATER  
any way you want it

## GLOBAL PLAYERS DRAFT IN VAN HECK

### INCREASING EXPERIENCE WITH OFFSHORE JETTING

Laying offshore cable is a growing market. In recent years, Van Heck has carried out a lot of innovative work and gained significant knowledge with regard to jetting. So no surprise that not only VBMS but also Bohlen & Doyen, Modus, Prysmian Group, BP, Subsea 7 and Van Oord called on Van Heck to deliver pumping systems worldwide.

For these partners, the decisive factors are quality, reliability and rapid service. Engineering brainpower is also highly valued. When a problem arises, Van Heck's people are at their best.

The diesel-powered silent muscleman

DPPG750 with the SC350/5 generally appears to be the most suitable combination for heavy work out at sea.

#### CASE: NORDERGRÜNDE

To lay around 26 kilometres of cable to the Nordergründe Offshore Wind Farm, VBMS asked Van Heck to help develop a flexible jet pumping system. On the cable-laying vessel, three super-silenced, diesel powered pumping units with two frequency-controlled submersible electric feeder pumps were installed. This combination delivered a total capacity of 2,000 m<sup>3</sup>/hour and 11 bars. The water was pumped to a distribution manifold

through valves and flow meters designed by Van Heck. Along with the VBMS Burial Sledge System II, the Van Heck pumps made up an advanced 'burial' system adjustable for depth.

#### CASE: MEDITERRANEAN SEA

BP, Subsea 7, Van Oord, Van Heck: just a few names of leading companies. They are all work in the Mediterranean to the north of Egypt, drilling new gas fields and transporting gas to the mainland. Van Oord ensures that the pipeline stays securely on the seabed, using the largest mobile pump in the world to do so: the HK800 by Van Heck.



### SIMPLE, GREEN, SILENT AND CHEAP: SIPHONING

Work to prevent flooding is the order of the day given the current climate changes in Europe. Very often Van Heck's expertise and materials are drafted in. In two instances, the environmentally friendly and silent siphon installations offered the best solution.

In Horst, a too small culvert in the Kabroeksebeek stream was replaced by an open drainage construction, known locally as a 'geut'. Van Heck rerouted the stream with a siphon installation. This was precision work; the metre in diameter pipes had to run alongside buildings and across a through-road. Enough space also had to be left to lay

the concrete 'geut'. In collaboration with local contractor J. van den Brand BV, Van Heck successfully completed the challenge.

The riverbed of the Maas is being widened along a length of 43 kilometres. A gravel port was excavated for this, and Van Heck was given the honour of filling it with water. Where the client Rijkswaterstaat (the Dutch Department of Waterways and Public Works) asked for pumping, Van Heck – headstrong and green – came up with a siphoning installation. Because the outflow end of the siphoning installation was not yet under water at the startup, Van Heck installed a water trap using a vacuum.



*'We seem able to work well with local partners everywhere in the world.'*

## VAN HECK HITS THE NATIONAL HEADLINES AGAIN FOR ITS DISASTER HELP

### NOT FLOODING BUT LOW WATER THE PROBLEM



It was all hands on deck in January 2017: a ship colliding with a weir in Grave caused the water level of the Maas behind the weir to drop by around 2.5 metres. Houseboats in a harbour dangled at a dangerous angle. Rijkswaterstaat closed the harbour and asked Van Heck to refloat the boats with some rapid pumping. And that's what happened: Van Heck was on site Thursday morning and the houseboats were level again by Sunday afternoon.

Jeroen van Heck: "I think the first reconnaissance is always the most interesting part of a project like this. Assessing the local situation on the first morning and taking immediate action: this works, that doesn't, here's fine, there it's not. We

arranged a pontoon locally on which we set up four large pumping units in the evening to move it into position during the night."

Unusual was that during the filling, the client discovered that the water actually

had to be drained again because the houseboats had been dragged to deeper water. In principle this was a new assignment – it hadn't been taken into account when setting up. Van Heck proposed the greenest solution: a siphoning installation.

## PUMP INSTALLATION WITH A DISTRIBUTION STATION BUILT IN NORWAY

### VAN HECK BUILDS A PUMPING INSTALLATION WITH A DISTRIBUTION STATION

Jeroen van Heck is used to travelling the world from one megaproject to the next. However, he was certainly impressed by what he saw in Norway. Here, a 48 diameter hole is being drilled on the seabed through rocks as hard as granite to allow an oil pipeline to be laid through it. The total length is 820 metres, descending from 0 to 350 metres below sea level.

What is Van Heck doing there? The drilling chuck requires a huge amount of water to keep it cool. This water has to be pumped a long distance of up to 250 metres into the drilling hole and

then pumped out again along with the grit. Commissioned by Visser & Smit Hanab, Van Heck supplied a 250 metre long pressure line with a diameter of 600 mm. They are also delivering four EPP200-PSC350 electrical pumps including power units and AFP's, with which the pressure can be regulated variably, to bring the water ashore.

That Van Heck built a complete pumping installation with a distribution station on the Stat Oil terrain was unusual. Despite the lack of space, the Noordwolde engineers once again applied their inventive skills and creativity to the project.

### VAN HECK DEVELOPS THE MOST POWERFUL MOBILE PUMP IN THE WORLD!

Van Heck has managed to build a pump with an even greater capacity and flow rate within the limits of a standard 20ft container size. This is unique: the HK800 is the most powerful mobile pump in the world! The pump is particularly suitable for the dredging market and for disasters.

The flow rate is almost 10,000 m<sup>3</sup>/hour! Within a quarter of an hour, this star can pump a 50 metre swimming pool so full that the water spills over the edges. That's obviously not what the HK800 will be used for. Instead, it will pump over considerable distances, and in emergency cases where it is seriously needed.

The brand new diesel-powered HK800 can be supplied with soundproofing. It will be heading off on a world tour immediately – its first job will be in the Mediterranean to the north of Egypt.

