

# VAN 'T HEK: OFFERING SPECIALIST SERVICES AROUND THE WORLD



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The family owned company Van 't Hek was founded in 1945 in the Netherlands as a General civil contractor. In the 1970's the company put focus on the execution of Deep Foundations by Piling and sheet pile retaining structures as a sub-contractor. Back in the day it were mainly timber - and precast concrete piles for civil works, housing and commercial building projects that Van 't Hek drove with self build dragline based piling rigs.

Today Van 't Hek is market leader in the Netherlands and holds this position for already a decade. It is part of the Van 't Hek Group, together with other subsidiary that focus on Piling or related services, each with it's own specialization. Van 't Hek Group is still family owned and the third generation is in charge.

Van 't Hek is seen around the world offering it's specialist service that, dependent on the client's wishes can extend from pile design, through execution to pile testing and environmental monitoring and the design and construction of Special Purpose Equipment.

This selection of "groundbreaking" projects reflects Van 't Hek's current capabilities, however not exhaustive as it is usually the client's dreams that make us push the boundaries even further.

## Port of Poti, Georgia

For a Quay wall reconstruction in the Port of Poti in Georgia, Van 't Hek installed not only Z-shaped sheet piles but also some cellular cofferdams as part of a pier extension.

The modular guiding frame based on separate adjustable piling platforms were designed by our in-house mechanical engineers (Hektec) and built in our own steel workshop.



## Kobelco CKE 2500 Piling Rig

Some clients ask us to do the works, other ask us if they can rent our rig, this client ask us to build one... So we did! On the base of a 250 tons dragline crawler crane, we build a piling rig with a maximum capacity of 72 ton for the Pile + hammer weight, able to install piles in a rake position up to 3:1 and even 1:1 with the optional "Flying Leader" configuration.



## Amsterdam "Sluishuis" Project

To enable the construction of this Iconic building in a lake, Van 't Hek placed a temporary sheet piled double cofferdam to create the construction pit in which steel screw injection piles with a tip diameter of 1000 mm and a length of 65,0 m were installed in order to support the cantilever structure of the building. A large number of precast concrete piles were driven into the construction prior to dredging and draining the building pit as foundation for the parking basement, before the construction pit bracing was applied. Piles with a temporary function were placed between the sheet piles of the building pit to hold up the formwork and scaffolding for the overhanging part of the building.



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