

**Field of expertise:** mechanical engineering, structural civil engineering

**Client:** Van Laere N.V.

## Project description

The Aqua-Shell is an unconventional shuttering technique. It is used to create a dry environment to pour the capping beam of a quay wall.

The design of the rubber profile for the watertight sealing was one of the challenges during this project. The caisson had to be watertight at all times considering a drive tolerance of 80mm on the steel tubular piles. To make the Aqua-Shell transportable by road it can be dismantled into two parts.

## Project activities

- ◆ Inventing, designing, developing and applying the Aqua Shell.

## Aqua-Shell: a special technique for the construction of quay wall capping beams

