

## Environmental technology

### CHEVRON BELGIUM - GHENT Tank farm renovation

Chevron Belgium's lubricant factory is located at Ghent at a former Shell site which was built in the 1970s. Chevron produces and blends high-quality lubricating oils that are sold in bulk, drums and small packages. In the course of 2015-2017, Trevi has renovated the entire site on behalf of Chevron with regard to waste water and rainwater.

#### Project description

This article highlights the renovation of the tank farm for the storage of raw materials and finished products. Storage takes place in dozens of storage tanks, grouped in a few tank farms which were built over the course of several years. The oldest tank farms had to be refurbished. In order to comply with the newest Vlare legislation, Chevron desired to realize an update of the entire tank complex by 2020.



*Construction of a gravel ballast layer on top of a sand-protected bentonite layer*



*Prefab retaining wall*

In addition to waterproofing the tank farms, Chevron had to provide additional buffering for fire-fighting water as for delayed drainage of rainwater.

Trevi was assigned to develop a concept for these three conditions and to realize the project subsequently. Chevron considered it important to choose a partner who could offer both study and realization phase. Thus, following the study phase, Trevi was commissioned to carry out all work as the main contractor.

During the course of the project, the construction of an additional new tank farm was planned by Chevron. This was included in the scope and integrated in the ongoing project.

The continuity of the production in accordance with safety regulations was the major challenge during the implementation of the project.

This project was started in juli 2017 and commissioned in september 2018.

Tank park renovation: key figures	
Oil collection capacity [m <sup>3</sup> ]	2038
Fire-fighting water collection [m <sup>3</sup> ]	780
Rainwater collection [m <sup>3</sup> ]	300
Number of tanks in new bunding	34



Steel structure for tank foundation



Placement of condensation pipe



Final result



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Trevi is a Belgian company with a team of specialised professionals at its disposal: environmental consultants, process experts, programmers and installers. This diversity offers you as a client the advantage to solve all environmental problems with only one partner in all disciplines: water, air, soil and energy as well. Our consequent approach by research, pilot tests, design, realisation, start-up, follow up and exploitation guarantees the provided quality.