

Vopak Tankterminal Westpoort, Amsterdam

Project sheet



Location Amsterdam

Client Vopak Terminal Westpoort

Contract Engineering, Procurement, Construction

Contractor BAM Leidingen & Industrie (together with: BAM Civiël, BAM Wegen, BAM Techniek, Geldof Metaalconstructie)

Design BAM Techniek, Tebodin, Geldof

Contract value App. € 280.000.000,-

Construction period Start basic/detail design: May 2009
End first phase: September 2011
End last phase: June 2012

Vopak Terminal Westpoort will be used for the storage, transshipment and blending of gasoline, gasoil, diesel and their components. The products will be transported with barges and sea-going vessels.

For instance, gasoline (components) will be supplied, by barge, from various European countries including Germany. At the terminal the gasoline can be blended to the correct specification.

The terminal is a 'state-of-the-art' efficient and safe processing terminal. The terminal has a maximum storage capacity of 1.19 million m³ and a processing capacity of a maximum of 20 million m³ per year. The first phase of the terminal has been commissioned in October 2011 and consists of 620.000 cbm. The second phase has been commissioned in June 2012. Products will be supplied and transported by means of seagoing vessels and inland craft. To facilitate this, 41 storage tanks, 6 small sob tanks, pipelines, two jetties and two quays are constructed.

The tanks have a capacity of 10,000 m³, 20,000 m³ and 50,000 m³ respectively, and a height of around 25 metres.

Each storage tank will be equipped with a floating roof and a domed roof. Film installed under the tank bases will offer protection to the soil. In addition, leak-detection systems shall be fitted under all tanks and to all pipes above water, and a waste-water purification installation shall be constructed to remove any contaminants from the oil terminal's water.

BAM Leidingen & Industrie (Piping & Mechanical), BAM Civiel (Civil), BAM Wegen (Infra and tankfoundation), BAM Techniek (E&I) and Geldof Metaalconstructie NV (Tanks) worked together as partners for the:

- Delivery and installation of all equipment (loading arms, pumps, gangways et cetera).
- Delivery, prefabrication and installation of piping systems both above ground as subterranean (CS-1" t/m 24").
- Delivery and installation of tanks (max. diameter 40 meters).
- Delivery and placement of all civil applications such as buildings, manifold pit and tank foundations.
- Delivery and installation of all electrical systems and instrumentations.
- Testing, start-up and cold commissioning of the installations.

The biggest challenges were the logistic during construction, working above water on a jetty and the modular construction of the manifold.



View on the central manifold.