



Modernisation of the HVC waste plant

The HVC waste plant in Dordrecht wanted to increase their capacity with the addition of a fifth incineration line. With an increase in combustion capacity the plant can recover more energy from the waste. On completion the new incinerator line will replace two of the older lines. This new incineration line has a combustion capacity of approximately 235000 tons per year.

The project

The works were carried out under a Design & Build Turnkey contract as part of a consortium. Within the consortium Visser & Smit Bouw was responsible for the engineering, procurement, planning and construction of the civil/construction work.

The project area totalled 15 370sqm GFA, consisting of:

- Arrival hall 1700sqm
- Waste Bunker 2665sqm
- Boiler house 4325sqm
- Flue gas treatment 2005sqm
- Turbine building 4000sqm
- Refurbishing existing bunker 675sqm
- Over 10 400m³ of concrete were used.

Part of the works involved construction of a new cooling water intake. The site was located on the current HVC complex in Dordrecht. The construction was carried out in such a way that normal operation of HVC and surrounding businesses were hardly affected and was therefore no loss of production.

Main Contractor

VMI consortium

The consortium was comprised of the following parties:

- Imtech Deutschland GmbH und co. KG
- Imtech Projects B.V.
- LAB SA
- Martin GmbH für Umwelt und Energietechnik
- Visser & Smit Bouw bv
- Visser & Smit Hanab bv

Visser & Smit Bouw was responsible for the project management where the design and construction work were integrated. Visser & Smit Bouw were therefore responsible for the daily management of the work; risk management; the quality management; the financial management; the timing and the handling of changes.



Facts and figures

Site

Dordrecht

Client

NV huisvuilcentrale Noord-Holland

Status

Completed


Contract type


Design & Build Turnkey

Architect

Bonnema Architecten

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