PROJECT PDF

Willemen Groep
Boerenkrijgstraat 133, BE - 2800 Mechelen
tel +32 15 569 965, groep@willemen.be

Railway signal tower - Courtray

Project Details

Activities
Buildings
Industrial & logistics
Civil Engineering
Railway infrastructure & stations

Contractors
Willemen Bouw

location
Doornikselaan
8500 Kortrijk Belgium
West-Vlaanderen BE

Client
Eurostation

End User
Infrabel

Engineering Office
Eurostation

Construction period
1 year 9 months

Start work
03-2011

End of work
12-2012

Construction of a signalling centre for the Belgian railways and demolition of an existing post office building.The complete building forms a Faraday cage to protect the railway signalling.This was accomplished by earthing 4,100 m² of concrete walls and interconnecting all concrete reinforcement.

- Foundation: 134 screw piles
- Earthworks: 3,000 m³
- Structure: Reinforced concrete: 2,510 m³ concrete and 215 tonnes of rebar
- Sectional steel: 50 tonnes
- External wall cladding: 620 m² aluminium panels, 2,000 m² stone panels, 155 m² glass curtain walling.
- Heating + Cooling: air critical premises by heating with convectors
- climate control boxes with air reversal on heat
- ventilation of premises with high-voltage air groups
- control via PRBA's
- lightning protection of structures and people
- lightning protection of electrical and electronic systems
- ICT equipment (data cabinets, cabling, fire alarm cables + + access control and security in fallow)
- lighting, control by KNX KNX DAL / gateways
- power supply through assured power: power over infrabel power distribution and power over the public grid via separate routes

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- electric lift

Willemen Bouw

Boerenkrijgstraat 133
2800 Mechelen, Antwerpen
(Belgium)
tel +32 3 450 77 00
bouw@willemen.be
www.willemen.be

Willemen Bouw was established on 30 April 2025 through the merger of Willemen Construct, Cosimco, Franki Construct and Tools.