PROJECT PDF

Willemen Groep
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Seawall - Wenduine

Project Details

Activities
Civil Engineering
Water engineering

Contractors
Willemen Bouw
Willemen Infra

location
Zeedijk
8420 Wenduine Belgium
West-Vlaanderen BE

Client
Agentschap Maritieme Dienstverlening en Kust

Temporary partnership
Aswebo, Franki Construct

Engineering Office
Haegebaert

Surface area subterranean
750m²

Construction period
9 months

Start work
09-2014

End of work
06-2015

Project website
kustveiligheid.be

The seawall in Wenduine has been completely demolished and rebuilt according to a new concept. The sea dyke is now safer, wider and more attractive. Two storm walls were placed on the new and stabilised dyke body to stop waves from overtopping. One wall - a secant wall topped by a parapet of exposed concrete - slopes towards the beach. The second parapet (landward) is shaped like a bank and was also built on top of a secant wall.

With also a roadway, a walking area and space for terraces, the new seawall is a lot wider than the previous one. We also revamped the Roundabout and equipped it with benches, a windbreak, a stage and a new pavement with petanque court, sports ground and skate park.

- Staged breakdown of the existing sea wall.
- Widening the sea wall by 3 and 10 metres.
- Construction of a seaward flood defence wall with a concrete retaining wall.
- Construction of a landward flood defence wall by building a concrete retaining wall in the shape of a bench.
- Planning, construction and maintenance of mobile flood defences which have to close off the uniform openings between the landward flood defence.
- Constructing a new sea wall with clay pavers.
- Building of a platform construction on the Rotunda with a sea-retaining function.

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- Modification to the windscreen on the Rotunda
- Renewal of the roof sealing of the underground car park under the Rotunda.
- Provision of street furniture on the sea wall and the Rotunda.

Willemen Bouw

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

Willemen Infra

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website

Willemen Infra is a leading, Belgian road construction company with a regional presence in both Flanders and Wallonia. An important asset is that we have all aspects of the construction process under our own management and thus fully control the execution. Moreover, our team of 1,000 well-trained and experienced employees are willing to work at night and over the weekend to make sure they get everything done in time. In addition, thanks to our own COPRO and CSC-certified production and recycling sites, we are one of the leading producers for asphalt and road concrete.