

Case study

Seehafen Wismar



Stormwater treatment with subsequent discharge into the Baltic Sea

Product

■ 2 SediPipe XL 600/24

Stormwater treatment made easy

The southernmost German Baltic port “Seehafen Wismar” is an important location for the flows of goods in the Baltic Sea, Germany and the whole of Europe. Comprehensive transshipment and load areas as well as multifunctional areas have the greatest importance.

For this reason, an area rehabilitation was carried out at Seehafen Wismar in 2017 to create usable open spaces and parking areas for trucks. As part of this area rehabilitation, the responsible water authority and the operator set the requirements of stormwater treatment.

As a solution for this challenge, the responsible engineering office decided to use two SediPipe XL systems to clean the accruing stormwater from pollution before it is led into the sewer and later into the Baltic Sea.

The operating principle of the SediPipe systems by FRÄNKISCHE is based on the flow separator technology. Accruing sediments will first be filtered from the stormwater running through thanks to the integrated flow separator. Moreover, the immersion wall in the target shaft of the system retains pollutants such as oil. Also heavily polluted stormwater as caused by intensive truck usage can be led into the sewer system after treatment.

The SediPipe XL systems met all the requirements at the site of Seehafen Wismar. Thanks to the parallel arrangement of the systems, it was possible to connect the parking area to be drained. Moreover, by using SediPipe XL 600/24, the installation depth of the treatment systems could be reduced significantly. Another advantage regarding the installation was the low weight of the system: The building company was able to install the SediPipe products without any large lifting tools.

The dimensioning of the system was done according to the DWA-M 153 set of rules.

Facts & figures

- Seehafen Wismar
- Stormwater treatment with SediPipe XL
- Year of construction: 2017

Organisation & execution

Customer/builder

Seehafen Wismar GmbH
Kopenhagener Straße 3
23966 Wismar

Planning

Ingenieur Consult Häcker & Krauß GmbH
Lübsche Str. 179
23966 Wismar

Building company

TSS
Tief- u. Straßenbau Schwerin GmbH
Werner-von-Siemens-Str. 10
19061 Schwerin

