

In Operation:

ACO Surface Water Management

Lübeck, Germany
2020



Photo: ACO Germany

Lübeck (Germany)

Trave Campus – The “Neues Wallufer” district in Lübeck

Flood prevention and backwater protection -
a sustainable way of treating rainwater.

The “Neues Wallufer” district is being developed on the historical grounds of the Lübeck municipal works, the former location of the old gasometer. It stands directly on the banks of the town moat, which is part of the Trave river that flows into the Baltic Sea. The district will offer both modern residential properties as well as commercial spaces for offices and the food services industry. Visitors to the district will come upon new-build properties mixed in with older buildings. This mixture of different buildings has resulted in the approving authorities stipulating that certain requirements have to be met, which in turn is causing a variety of problems related to the norms and guidelines that have to be met. On one hand, the existing drainage system

must be treated separately from the newly planned area. On the other, the existing system must be retrofitted or improved due to some changes in uses. What’s more, all of this work must be carried out with a focus on sustainable water protection.

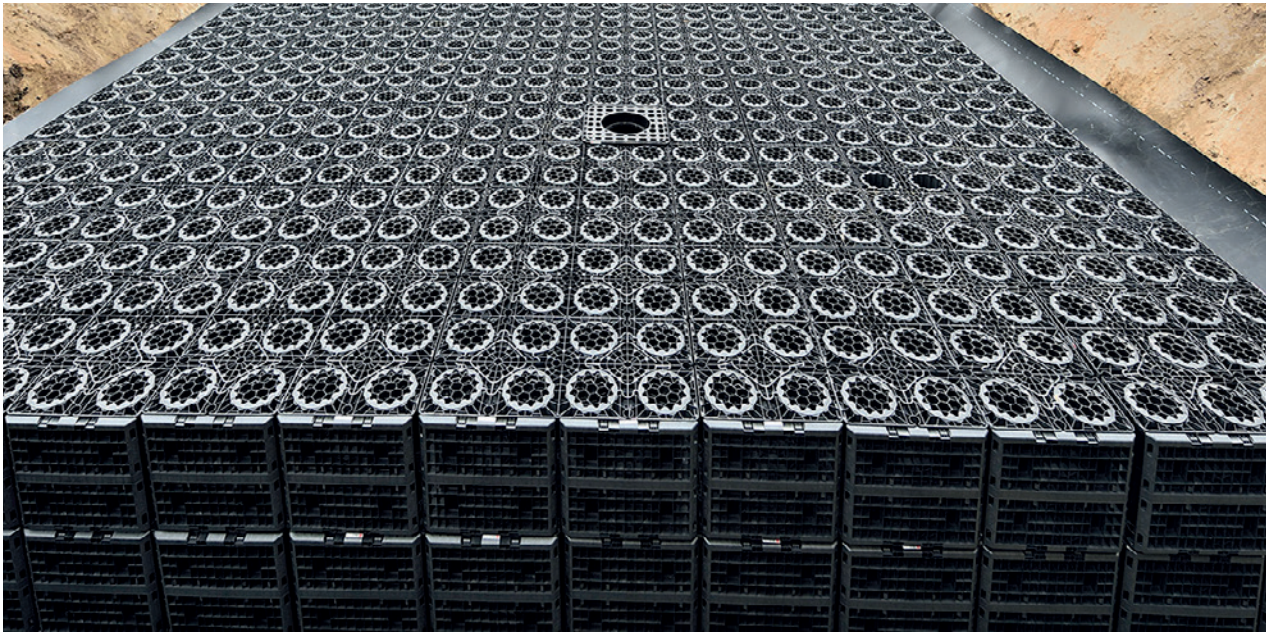
Prior to the realisation of the overall project, extensive soil rehabilitation measures had to be taken. In order to prevent the ground water from being contaminated, the grounds were sealed off from below with PE geomembranes. As a result, precipitation does not seep through soil that has been classified as being contaminated and into the earth. The contaminants in the substrate cannot leak out.

Advantages

- The drainage system was designed and treated as a whole
- Support during the preliminary work, with questions about drainage (civil engineering questions) and structural guidance
- General contact partner for advice and options regarding drainage



Drainage solutions along the ACO system chain



Photos by ACO Germany

Information at a glance

Object: Trave Campus –

The “Neues Wallufer” district in Lübeck

Customer/ Investor:

Garbers Partner Wohnungsbau, Hamburg

Contractor/ Installer: Garbers Partner

Wohnungsbau, Hamburg ,

Werner Vollert, Büdelsdorf

Year of construction: 2020; in progress,
scheduled to be completed by 2022

ACO Products:

- ACO Oleopator-C-OST NS 40
- ACO Procurat
- LW 1000 sampling shaft
- Powerlift PSD-B-1500
- ACO Oleopator Bypass C-FST NS10/100
- ACO Stormbrixx-HD with integrated flow limiter
- ACO Stormbrixx HD with integrated orifice plate throttle

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