

In Operation: ACO Surface Water Management

Valmiera, Latvia
2020



Photo: ACO Latvia

Valmiera (Latvia)

Protecting lake Dzirnavu ezeriņš:

The ACOs system chain offers a complete solution for rainwater treatment

Valmiera is the largest city of the historical Vidzeme region in Latvia. It is also a gateway to Gauja National Park. Valmiera main 'street' is the River Gauja that divides the city in two. Development in the city is based on the values: prosperity, the joy of living and the importance of nature.

The local municipality in this city was faced with a challenging task. To protect a local lake, Dzirnavu ezeriņš and its park from water runoff polluted by oil coming from near urban infrastructure, they needed to develop a solution that would collect the heavy flows of rainwater runoff and separate the oil particles. The municipality did not deal with the runoff issue before declaring a public invitation to tender.

The modern solution consists of two GRP tanks Oleopator G-H NS 250/25000 which are simple and easy to operate in a limited space. They ensure that the lake and its surrounding nature does not get polluted.

A big challenge was to provide logistics that would deliver the products at the specific place and at the right time as there was no storage space available.

A complete rainwater management concept was created. Collect, clean, hold, release - these are the names of the four system chain stations with which ACO collects, cleans, holds and releases the surface water to downstream systems in a controlled manner. Efficient logistics and simple handling of the system components not only save costs and time, but also optimize workflows.

Advantages

- No overflow of the system optimizes hydraulics with high flow rates and no back flow
- Customized solution to protect the natural lake
- Compact solution for high flow rate
- ACO system chain



Drainage solutions along the ACO system chain



Oleopator G-H is easy to manipulate and install even in a limited space



Logistics had to be timed perfectly as there was no storage space provided



Two pieces of Oleopator G-H NS 250/25000

Photos by ACO Latvia

Information at a glance

Object: Park in Valmiera between a lake and urban infrastructure

Customer/ Investor:

Valmiera Local Municipality

Contractor/ Installer: Woltec SIA

Planner: "Ceļu Komforts" SIA Atis Berzins

Year of construction: 2020

ACO Products:

- ACO Multiline
- ACO collecting shaft
- ACO separating shaft
- ACO Oleopator G-H NS 250/25000 2 pcs

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