



VIACON

CASE STUDY

Harvesting rainwater for a sustainable cooling solution

ViaCon Sweden produced, delivered and assembled a cost-efficient and sustainable solution for harvesting rainwater that will be used for data center cooling.

In 2020, ViaCon was approached by a team of designers that needed to find a solution for acquiring water for data center cooling. The municipality could not provide enough water for these needs, so the alternative proposal was the reuse of rainwater from the industrial roof for cooling the facility. The WaterCor retention system was perfect for this application.

THE CHALLENGE

The challenge demanded delivering a rainwater harvesting system that would be more cost effective, sustainable and faster to assemble than other options, such as concrete or plastic. These requirements were met by the WaterCor retention system, and the customer chose the ViaCon solution. After installation of the first WaterCor tank, the customer ordered three more.

SPECIFICATIONS

Product: WaterCor process water tank

Material: Polymer-coated steel

Diameter: 2500 mm

Length: 535 m

Size: 2624 m³





CORRUGATED POLYMER-COATED STEEL TANK BEING ASSEMBLED ON SITE

THE SOLUTION

ViaCon engineers suggested that a WaterCorTank retention tank, made of spiral corrugated HelCor pipes, could serve the purpose more effectively and efficiently than the originally planned “tanks” from reinforced concrete slab material, which was more expensive, had higher production costs and a shorter life span.

THE RESULT LED TO:

- Construction from a longer-lasting, renewable material
- Environmentally-friendly construction
- Shorter construction time
- Durable construction for longevity
- Saved costs with shorter construction and lower maintenance requirements

THE VIACON ADVANTAGE

ViaCon focuses on using greener materials and more efficient construction for a reduced carbon footprint and the ability to live in harmony with the environment. With ViaCon, the project delivered on its expected efficiency and environmental benefits, such as:

Easier and faster to build, due to simpler structure

Lower maintenance requirements
Competitive costs, including less energy and fossil fuel consumption during construction

Steel is 100% recyclable, contributing to the circular economy at end of life



CONTACT US

info@viacongroup.com
ViaCon Group
Björklundabacken 3
436 57 Hovås, Sweden

VIACON

**Constructing connections.
Consciously.**