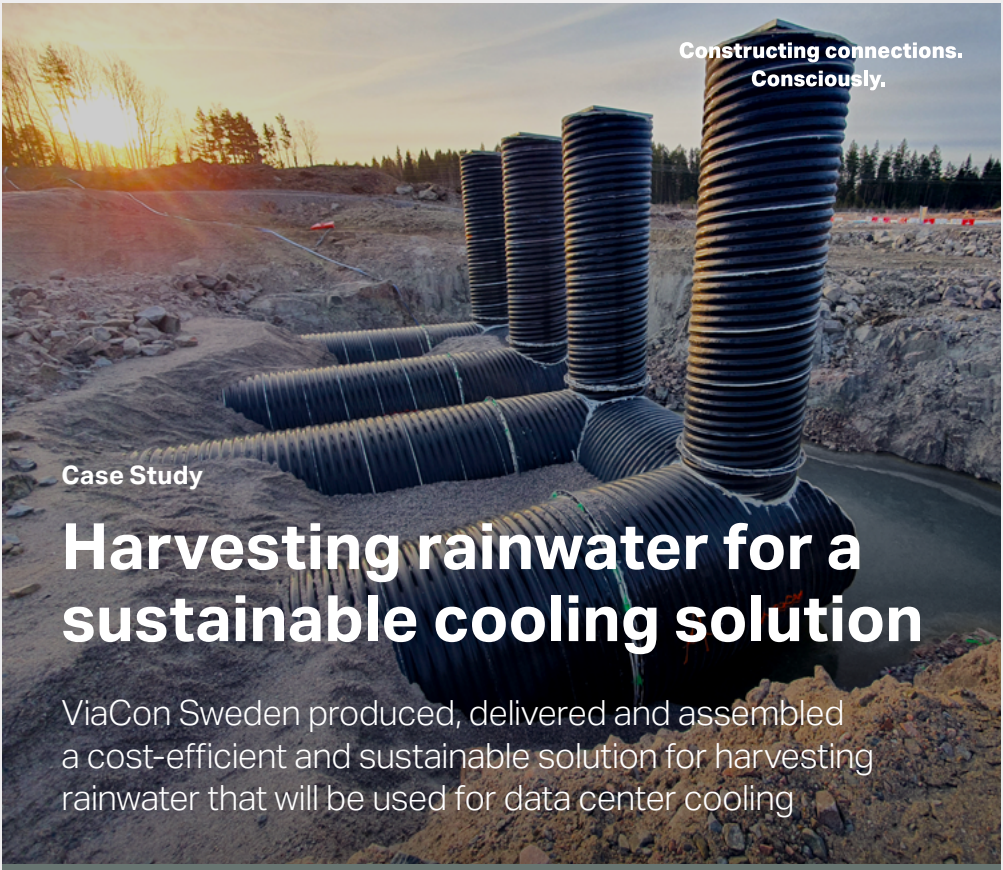

Case Study

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 approched 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.

Learn more at viacongroup.com

VIACON

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 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.

READ MORE AT

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