



Case Study

Firewater tank solution secures fire protection at airport in Norway

ViaCon delivered a customised 210 m³ firewater tank with an integrated pump room to meet fire protection requirements in an airport project in Norway.

The Challenge

In an airport project in Norway, the contractor needed a reliable firewater solution to comply with fire protection regulations. The system had to provide 210 m³ of firewater storage and deliver a required

flow of 50 litres per second for one hour. In addition to storage capacity, the project required an integrated pumping solution capable of supporting dependable operation in a critical infrastructure environment.

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The Solution

To meet the project requirements, ViaCon delivered a customised firewater tank solution in Norway based on PE-coated, hot-dip galvanised corrugated steel.

The solution consisted of a D3000 tank with a length of 36 metres and an integrated pump room. The system was equipped with:

- 2 pumps with a flow capacity of 50 l/s
- control units for the pumps
- level sensors
- an electronic inlet filling valve
- flotation valves for operation in case of power failure
- and sprinkler suction pipes connected to external sprinkler pumps

This provided the customer with a complete and reliable firewater solution tailored to the specific needs of the airport project.

The ViaCon advantage

By choosing ViaCon's firewater tank solution, the customer received a customised system combining water storage and pumping functions in one integrated installation.

In addition to meeting the required firewater volume and flow performance, the solution offers a low CO₂ footprint and an estimated service life of more than 80 years. This provides a durable and efficient alternative for critical fire protection applications.

Technical specifications

Application: Firewater tank for airport project

Location: Norway

Storage volume: 210 m³

Tank type: PE-coated, hot-dip galvanised corrugated steel tank



Diameter: D3000

Length: 36 m

Pump room: Integrated

Pumps: 2 pcs

Pump capacity: 50 l/s

Pump controls: Included

Level sensors: Included

Inlet valve: Electronic filling valve

Backup function: Flotation valves in case of electricity failure

Sprinkler connection: Suction pipes connected to external sprinkler pumps

Read more at

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