

CST Fire Water Tanks – Logical Solutions to Logistical Challenges

Developing new markets is key to CST's success and in 2015, we launched our existing flat panel Galvanized Mild Steel FM and LPCB approved fire protection and sprinkler supply tanks into Holland. In addition to several smaller projects, CST was awarded what we believe to be the largest FM approved tank of its type in Europe (and possibly the world).

When our client started designing the FM approved fire sprinkler system for a 20,000m² logistics center in Zaandam; they had a challenge on their hands. Due to a number of sprinkler heads in the building, they needed to store in excess of 2,500m³ of water to meet the fire suppression system requirements. Typically, for such a large amount of firewater storage, two tanks would have been specified and useful storage space would have been lost to accommodate two concrete footprints for the tanks.

When the above challenge was coupled with a very tight deadline for manufacture, supply, and install, it led to only one solution... A single tank. However, at this size, there were few options available.

Fortunately, for the client, CST has pre-approved FM tank sizes ranging from 57m³ to 2,548m³ and was able to confirm a manufacture, supply and install schedule of 9 weeks. After working closely together on the specific requirements for the Dutch market (such as pipework requirements, site working permits, etc.) the entire project took just 10 weeks from order to completion.

The benefits to the end user of a single tank kit are the maximization of the land footprint and the reduced costs associated with a single tank build being lower than with multiple tanks. When combined with the ability of CST to take an 'off the shelf' approved design, this ensured there were no delays in the project schedule.

When asked how they rated the experience of working with CST, our client said we exceeded all of their expectations and were a logical choice for future projects.

