New Energy Systems - De Reus van Schimmert: From a water tower to a green data center

The water tower of Schimmert is an iconic tower that has served the local community for decades. In 2014 it was decommissioned and currently local companies and authorities are searching for a viable business model for this imposing tower.

The present project examined the feasibility of transforming the water tower into a data center that reuses its waste heat to provide sustainable heat to local residential and commercial consumers. The reservoir of the tower will be used for storage of the excess heat, in order to balance the mismatch between supply and demand.

This project was completed by Konstantinos Tzanakakis, January 2017.