

CASE STUDY

Client: SEDL

End User: Direct

Project: Superheated Steam/MTHW Package

Products: HevaSteam Package, AF Thermal Store & Plate Heat Exchangers

Date: September 2017

Project Description

Arbe were approached by our client to design a solution to produce MTHW whilst using superheated steam as a primary medium. As the application was not a constant load, we made a triple system solution that separates the secondary system from the superheated steam, and gives a flexible and safe operation. The package comprised of a pumpset for the drying process in the factory, steam equipment and tertiary thermal store, with temperature controls within, to balance the steam input and MTHW output.

Our bespoke PLC control system integrated with the site BMS so the plant operator could read all the data available, including temperatures, output and heat meter readings whilst sat in the control centre.

The project was designed by Arbe from initial concept to completion, with all required certification completed and passed off by the relevant authorities

