

CASE STUDY:

Dimensional Support for New Superheater Installation

Our Client was replacing a Superheater unit on their Chemical Process Plant in NW England. The replacement Superheater was required to tie-in to the existing connections and Addison were asked to determine the outgoing unit's geometry and the location of the tie-in connections, then determine and compare the new Superheater's geometry and predict a 'best fit' solution for installation. Additionally, to assist the Fabrication team to align new bellows on the Inlet Ducting prior to installation.



SCOPE FOR THE PROJECT

By applying Dimensional Control Survey Techniques Addison were able to:

- Capture the As-built geometry of the outgoing unit and the required tie-in nozzle positions.
- Confirm the geometry of the new unit and establish the correct location, elevation and verticality discrepancies between the units.
- Set out the location of the unit on the plinth and confirm the required shims to align the new unit.
- Position the new bellows and advise the modifications to the nozzle and also position Shear lugs to set the correct height of the duct to meet the site tie-in locations.

The client was able to lift and install both the unit and ducting first time and with no re-work required.