

Case Study- Biomass Boiler Installation at Jubilee Wharf, Penryn

The Challenge:

Jubilee Wharf is an award winning sustainable development with a mixture of housing, workshops, offices and a children's nursery. With a passion for preserving our beautiful environment they strive to be one of the most modern eco-friendly buildings in the UK. Though only 8 years old, the boiler needed some major parts replacing, it was also likely that other major repairs would be needed in the near future. Therefore it was decided that now was the time to upgrade to a more efficient boiler. It also made sense to take advantage of the Renewable Heat Incentive (RHI) scheme that has been initiated by the UK Government to help reduce the demand on fossil fuels and support carbon reduction strategies.

The Solution:

Trident Plumbing, Heating and Electrical Ltd were commissioned to supply and install a brand new 109KW Hargasner Wood Pellet Biomass Boiler to serve the complex. Jubilee Wharf likes to employ local businesses and several were approached. Trident were quick to respond to queries and provided the right information to ensure that they were considered to be the best value solution for the selection panel.

The Outcome:

Trident Plumbing, Heating and Electrical Ltd sourced the boiler from Wood Energy and the flue parts from A1 Flues. This was installed and commissioned within the timeframe quoted. The work was carried out by our experienced team under the close supervision of our Director Ron Bull. They worked closely with Miles from Jubilee Wharf to ensure the installation suited their needs and that the deadline for installation and commissioning was met. Also, given the value for money solution provided by Trident, the RHI is expected to provide a return on investment of less than 3 years against a 20 year payment cycle making the installation great for the environment and a very good investment for Jubilee Wharf.



From left to right:
Luke Sleeman, Andy Kent, Miles Mason, Ron Bull



Jubilee Wharf

Ron Bull Director of Trident said:

"Trident were delighted to be chosen for the project. The ethos at Jubilee Wharf ties in with our passion to create a more sustainable Cornwall. We are proud of our highly skilled team and we are very happy with how efficiently we were able to complete the project."

Miles Mason from Jubilee Wharf said:

"The project ran to the timescale, budget and quality laid out by Trident. Several unforeseen problems and 3rd party issues were sensibly worked out and rectified and the boiler was commissioned on the scheduled date. The new boiler, though under test for several days, worked to demand to ensure business continuity. We are also delighted that the RHI will allow us to return our original investment in less than 3 years which is good for the long term sustainability of Jubilee Wharf"