



GenSet Case Study: MDF Manufacturer



One of Europe's best known MDF manufacturers embraces a smart power generation technology to improve efficiency at its newly upgraded production and research plant. Payback on the Heliex system is just over 2 years.

Industry:

MDF Manufacture

Application:

Fossil Fuels (PRV)

Country: UK

Power: 250 kW

Model: HP204

Steam in/out:

22.5 Bar G / 10 Bar G

THE CLIENT

Our client is committed to sustainability and innovation and recently undertook a €15 million investment to improve production facilities at their plant in Ireland.

Following the upgrade they looked into new technologies that would allow them to maximise energy efficiency on site.

THE PROJECT

The existing steam distribution system at the plant comprises of two packaged boilers supplying 22.5 bar g transmission pressure, reduced through a Pressure Reduction Valve (PRV) to 10 bar g, for factory processes.

Our client investigated how to utilise this otherwise wasted steam pressure drop to generate a source of power. Heliex beat a competing technology on both price and performance.

THE SOLUTION

An HP145 Heliex GenSet has been installed at one of our client's distilleries in the North of Scotland as an initial pilot project.

The system sits outside where it generates 110kW of low cost electricity for use on site or to be exported to the grid, resulting in significant savings on energy costs and less reliance on fossil fuels.

