

## NEW CHP POWER PLANT READY FOR ACTION



A NEW plant designed to meet the power and steam requirements of a pioneering £250 million investment at Wilton is ready for action.

Sembcorp UK's £36 million Gas Turbine/Heat Recovery Steam Generator has now been commissioned and handed over by construction engineers Aker Solutions E&C Limited.

It will supply 40 MW of electricity and up to 162 tonnes an hour of steam to the site system, although it was developed mainly in support of the new Ensus bio-refinery – the largest of its kind in Europe – which is now nearing full operation at Wilton.

The Ensus plant will use more than 1 million tonnes of surplus animal-feed wheat each year to make food and fuel products. In addition to producing around 400,000 litres of ethanol (or alcohol) as fuel, the distillation and fermentation process will also create around 340,000 tonnes a year of protein enriched animal feed. This high value product will play a big part in reducing the UK's need to import unsustainable soy based feeds from South America and other countries.

By virtue of its combined heat and power status, Sembcorp's plant – the second gas turbine to be built by Sembcorp at Wilton in the last 7 years - is effectively supplying 'green energy' to Ensus helping to reduce the overall carbon footprint of the biofuels plant.

Alwyn Hughes, Chief Executive of Ensus, said: "We've had good dialogue with Sembcorp on power and steam supply as both plants have been constructed. I am delighted everything is now in place and I expect our plant to be in full production in the next few months."

Simon Robinson, pictured, the project manager, said: "Everyone involved in the project has pulled together and done a great job and we're all exceptionally proud of the plant."