

# Woking Energy Station

The Woking Town Centre Combined Heat and Power (CHP) station is believed to be the first commercially operating energy station of its kind in the country. It was the first project of Thameswey Energy Limited, a joint venture company of



Thameswey Limited (a company wholly owned by Woking Borough Council) and Xergi Limited of Denmark.

Thameswey Energy Limited aims to finance, build and operate small scale CHP stations (up to five megawatts) to provide energy services by private wire and distributed heating and cooling networks to institutional, commercial and residential customers.

The Woking Town Centre CHP station is just one of a range of sustainable and renewable energy projects delivered by Thameswey Energy Limited, helping to meet the Council's Climate Change Strategy objectives. Projects outside the Borough are also investigated, of which profits can be used to improve the environment within the Borough of Woking and benefit its residents.

*"Stannifer is please to have worked closely with Woking Borough Council on this project. By using the CHP system the Holiday Inn gains both operational and environmental advantages ranging from lower fuel costs to reduced CO<sub>2</sub> emissions.*

*I believe this to be a very progressive and innovative step taken by the local authority and am confident that more and more companies will take up this facility within the Borough. This initiative is a prime example of the public and private sectors working together to benefit the environment and drive operational efficiencies."*

**Ron Barrott** - Chairman and Chief Executive, Stannifer Group Goldings Limited, Stannifer Hotels Group plc

## How does the CHP work?

The CHP station uses combined heat and power technology together with heat fired absorption cooling to produce environmentally friendly energy services.

It distributes electricity via private wire and heat and chilled water services via private pipe networks. Local customers include Holiday Inn, Quake Nightclub, Big Apple Entertainment Centre, Metro Hotel, H.G. Wells Conference and Events Centre, Victoria Way Car Park, the Lightbox Gallery and Museum and Woking Borough Council's Civic Offices.

*The owners acknowledge the valuable contribution of Woking Borough Council, Thamesway Ltd, ESCO International A/S\*, Hedeselskabet Miljo og Energi AS\*, Energy Saving Trust, Seaboard Plc and Clyde & Co.*

*\* These companies formed the original joint venture partners in TEL. Changes to internal company structure saw the creation of Xergi Limited.*

