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Bucharest gets new CCHP centre from Greenenvironment

A 1.8 MW natural gas microturbine and other components for a combined cooling, heating and power (CCHP) plant in Bucharest, Romania is being provided by Greenenvironment Plc. The CCHP plant will be based at a building in the Sun Plaza shopping mall. WIP has the story.

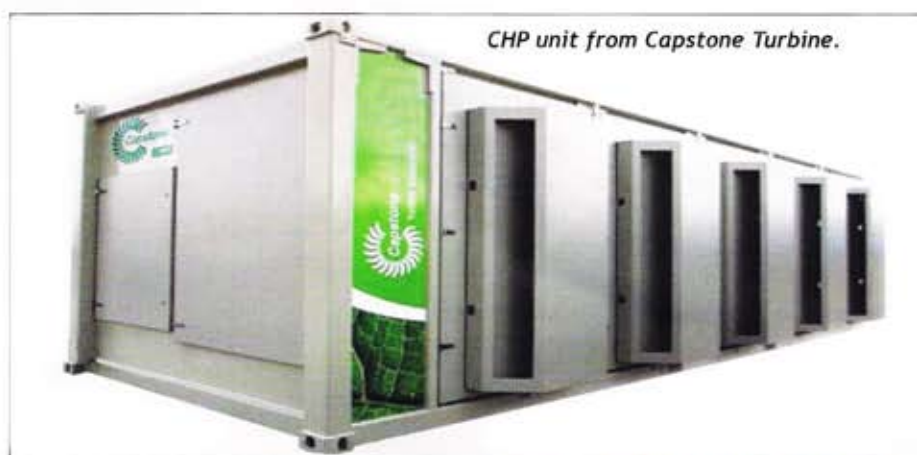
Greenenvironment Plc is providing a 1.8 MW natural gas microturbine and other components for a combined cooling, heating and power (CCHP) plant in Bucharest, Romania.

The new plant will be based at the Sun Plaza shopping mall belonging to Sparkassen Immobilien AG, part of Erste Bank Group (Austria).

The CCHP plant will be installed at the Commercial Centre building of the Sun Plaza shopping mall.

The plant's installation and full commissioning will be achieved through co-operation with TAI s.r.l. and other regional companies from Romania and will be completed in late 2012.

Sun Plaza, located in the south of Bucharest, is described as Romania's largest shopping mall. The mall hosts more than 130 shops along with many cafes, a food court with 1,200 seats, a



CHP unit from Capstone Turbine.

cinema centre, a bowling alley, a nursery school and a sports hall.

The CCHP plant will be built, owned and operated by an energy service company (ESCO) that will sell energy to SDCS. This approach - says the company - ensures a reduction in overall energy costs. This is especially true for the heat and cooling production within mall buildings, along with lower CO₂ and NO_x emissions, said Greenenvironment.

A microturbine solution featuring absorption chillers is described as 'unbeatable' due to high thermal efficiency, availability and reliability as well as low noise levels, lack of vibrations and SCADA system.

"Romania is a very interesting market for Greenenvironment," Matti Malkamäki, the company's CEO, tells WIP.

"Especially in the field of industrial CHP sales and semi-industrial CCHP sales we now have been able to 'break the ice'. We see a strong demand for our solutions and are in advanced negotiations regarding big projects that have very much similar needs compared to Sochi or Sun Plaza.

"We are convinced that a microturbine is the best economical decision for a large



The Sun Plaza.

shopping mall."

Greenenvironment says it is in advanced negotiations for further projects with a combined capacity of more than 1 MW.

Greenenvironment can offer clients the following benefits:

- Convenience: through the delivery and commissioning of the microturbine CHP plant tailored to suit the site/location;
- Service: through maintenance and tailored services (including general overhaul of the microturbines);
- Safety: through continuous plant monitoring by means of a 24-hour service;
- Reliability: through automatic notification by e-mail and SMS in the event of malfunctions;
- Transparency: through complete plant visualisation in situ via a smart phone or tablet PC.

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Internet link
www.greenenvironment.de



C200 Capstone Microturbine