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## **THERMOENERGETICS SUSTAINABLE DEVELOPMENT: COMBINED HEAT AND POWER**

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### **Abstract**

The first Romanian cogeneration unit (CU) based on recovered components - an available GTE 2000 turbo-generator and an existing CAF 6 hot water boiler - is operating at SC TERMICA SA Botosani since 2001. As the tests showed, this cogeneration unit is very efficient and less pollutant than the usual electrical and thermal plants. Now at TERMICA Botosani the second cogeneration unit similar to the first one is going to be built. The paper presents the main operating parameters and advantages of the first Romanian cogeneration unit.

*Keywords:* cogeneration, efficiency, pollution, sustainable development

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