





## **RECOUP-HEAT TURBION<sup>TM</sup> SERIES**

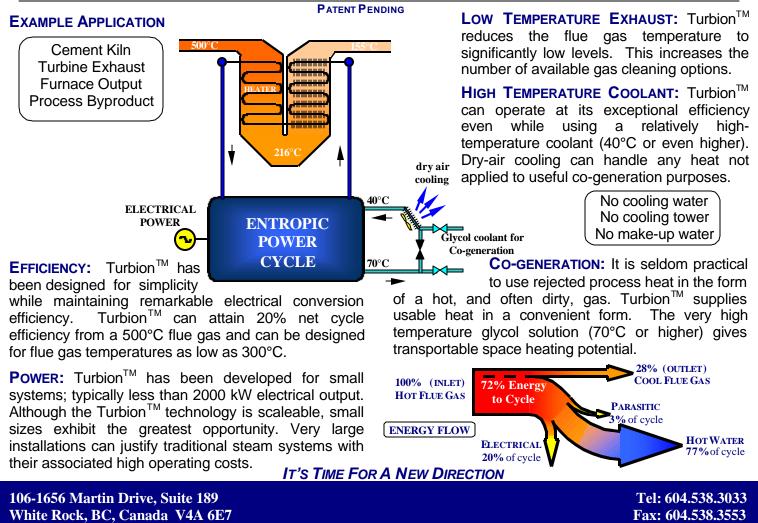
Don't waste your waste heat! For all the processes producing heat that can't be used, now there is a simple conversion system that will efficiently generate electricity and functionally supply cogeneration heat. Turbion<sup>™</sup> converts reasonable flue gas temperature into electricity and hot water (glycol) using a system that operates as directly and conveniently as a refrigerator - well, almost! Turbion<sup>™</sup> is cost-effective in the lower power levels. It operates with automatic controls and safety systems. Turbion<sup>™</sup> has been specifically designed to minimise the need for high qualification personnel.

WHY TURBION<sup>TM</sup>: High flue gas temperature means lost energy. Many processes have no alternative but to produce such a byproduct. However the amount of

rejected heat can represent a significant cost of input enerav. Recovering this heat can represent a significant cost saving.

**Cleaning** of flue gasses before release has become a greater concern in recent times. Environmental emission standards are becoming ever more stringent. Cooling a flue gas offers more technical opportunities to effectively clean the exhaust.

**Co-generation** is a desire of many, however it is seldom realistic to directly use a high volume flue gas. Similarly, it is usually uneconomical to convert it into a more convenient form such as hot water. However a system such as Turbion<sup>™</sup> that can convert a significant percentage into electricity and still produce useable hot water makes co-generation viable.



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