

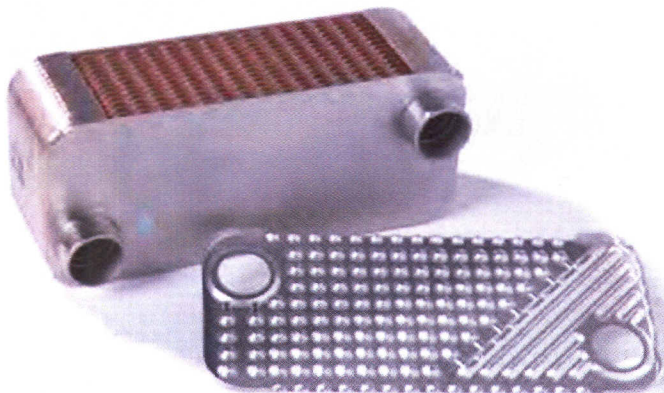
The most efficient and compact gas heat exchanger in the world



Airec heat exchangers have been in use since 2005 and have fulfilled expectations completely.

Technical data (capacity, pressure loss) were measured for various media in a comprehensive series of totally independent tests in the HLK Laboratory of the University of Lucerne, SWITZERLAND.

Along with heat transfer theory, these tests form the basis of our hence reliable computer calculation program



**AIREC ENERGY (THAILAND) CO., LTD**

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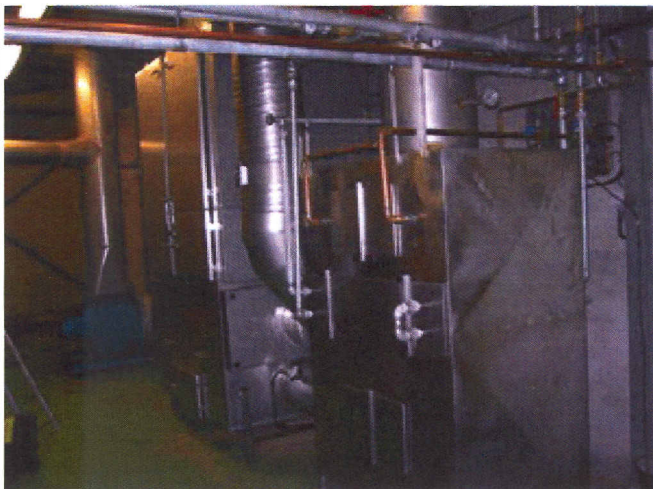
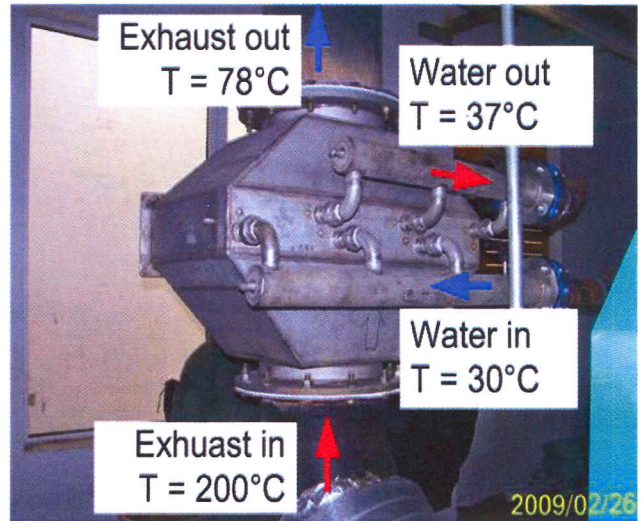
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## Reference Project

**Economizers for medium and large size boilers**  
Guangyuan area, Beijing (China)



**Heat recovery from humid air to water**  
Potato chip plant in GRO Industry  
Tonsberge, Norway

**Biogas Upgrading Plant large size**  
The Malmberg COMPACT™ Gas  
Refinery (GR) Serie

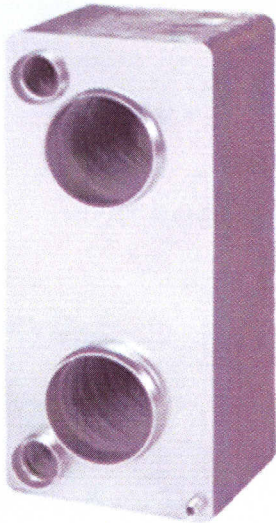
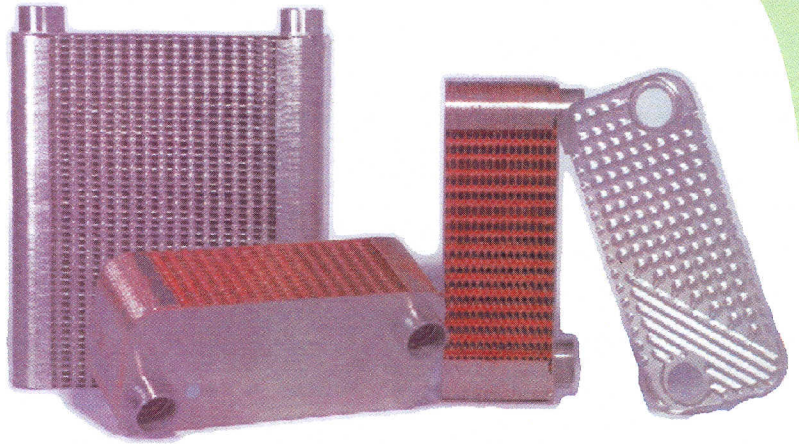




# Product

## Cross 30

Cross 30 is a compact brazed exchanger (CBE) consisting of stainless steel plates brazed together with copper (standard) or nickel (option). Cross 30 is designed to handle asymmetric volume flows (one side A with a flow with higher density and one side B with lower density).



## Compact 70

Compact 70 offers a high efficiency; often above 90%.

The reasons for this are:

- The counter flow design
- All surfaces are primary heat transfer surfaces.

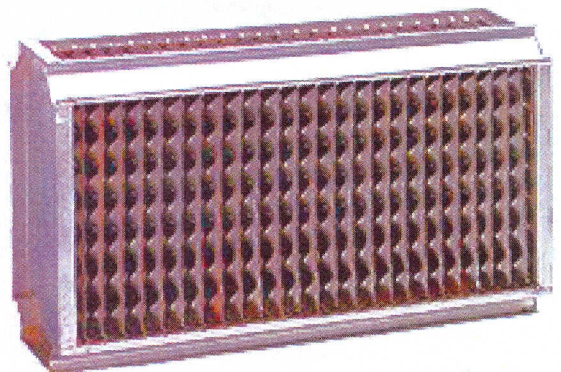
The two flows are streaming on one side of each wall giving excellent heat transfer.

The flow with the largest volume and the lowest density is connected on side B with the bigger connections.

flow with higher density and one side B with lower density).

## BGG.

BGG is a compact Combustion Gas-to-Air Plate Heat Exchanger designed for efficient heat transfer combined with very low pressure drop. The cold flow is designed to be larger than the hot flow with a pressure drop from 0,1 – 0,4 kPa.



## Airec

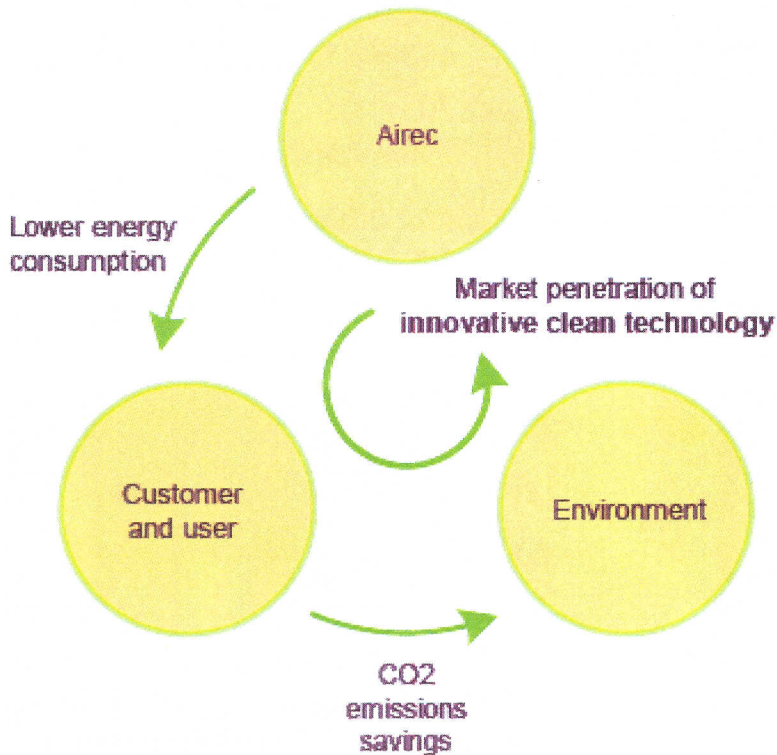
Reduce ..... Cost

Reduce ..... CO<sub>2</sub> emission

Reduce ..... Global warming

Fast pay-back period

Increase machine efficiency



**AIREC** appointed as **WWF** Climate Solver 2009.

**AIREC** products conformance with PED



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