

# SYSTEM BROCHURE

**Kit COG**

Waste heat  
recovery



## Waste heat from GenSets and Turbines

### ENHANCE THE EFFICIENCY OF YOUR GENSET OR TURBINE WITH KIT COG™

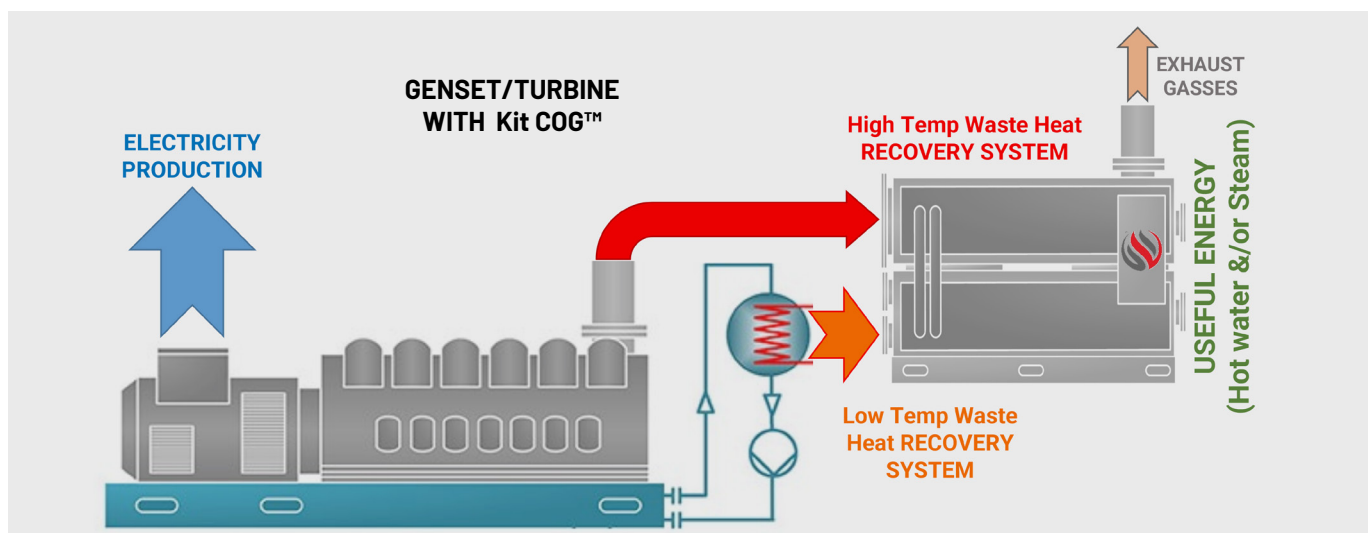
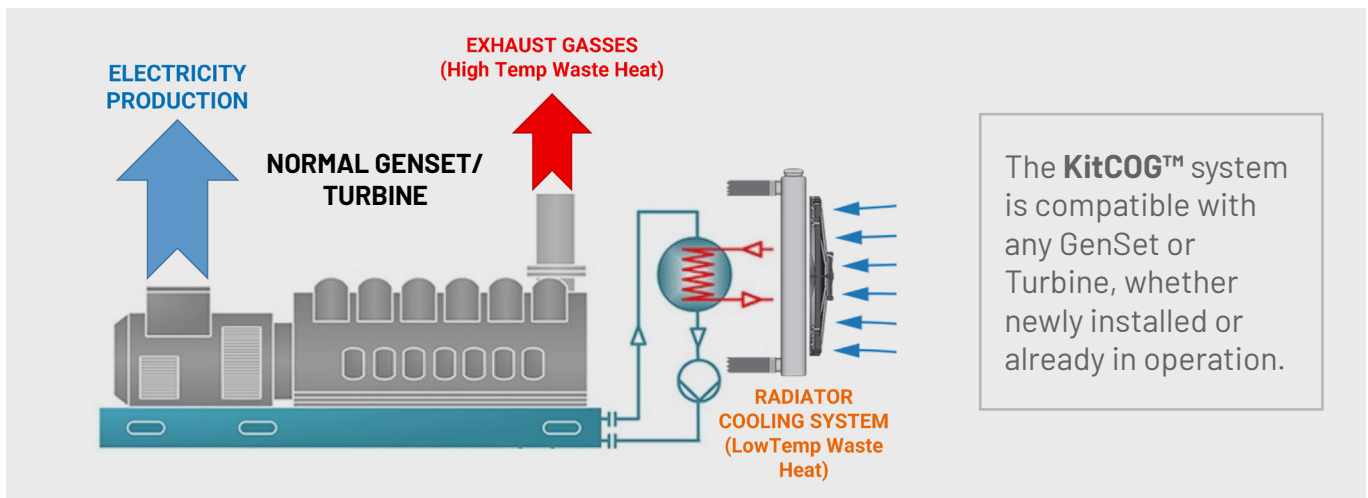
In traditional power generation systems - whether based on internal combustion engines (GenSets) or gas turbines - a large portion of the fuel's energy is lost as waste heat. In GenSets, this heat is typically dissipated through radiators and exhaust gases. In turbines, it is expelled via high-temperature exhaust, often without any recovery, solely to maintain operational safety.

**Termogamma's Kit COG™** is an advanced energy recovery solution that intercepts this thermal energy - whether from engine cooling circuits or turbine exhaust - and converts it into usable heat. This recovered energy can then be repurposed on-site for heating, domestic

hot water, or industrial processes, delivering **tangible economic and environmental benefits**.

By integrating Kit COG™, the overall system efficiency can increase dramatically, reducing fuel consumption and lowering greenhouse gas emissions - **without compromising system performance or reliability**.

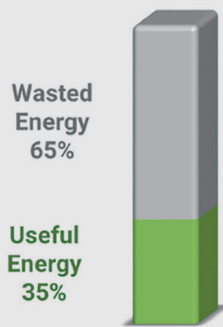
The solution is managed by a **dedicated control and monitoring system** developed by Termogamma, ensuring precise thermal balance and safeguarding the cooling needs of both engines and turbines. This guarantees operational continuity and maximizes return on investment.



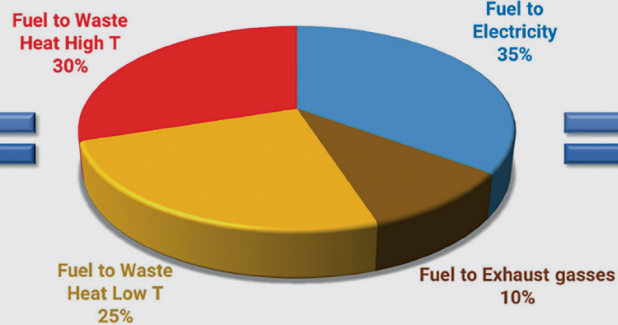


## FUEL TRANSFORMATION IN GENSET/TURBINE

Without Kit COG™



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With Kit COG™

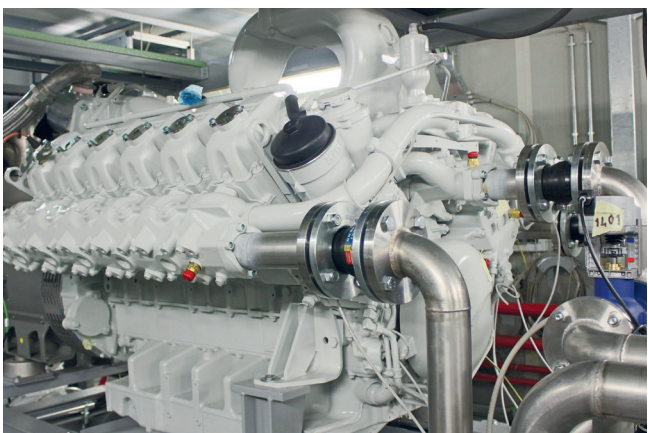


### MAIN FIELDS OF APPLICATION

- ✓ **Hospitality & Wellness:** Hotels, swimming pools, wellness centers, spas
- ✓ **Industrial Facilities:** Food processing, chemical, pharmaceutical, plastics, and more
- ✓ **Residential:** Large villas, residential complexes
- ✓ **Commercial Buildings:** Medium to large-scale shopping centers, offices
- ✓ **Institutional & Government:** Public administration buildings, schools, and other facilities

### KEY BENEFITS

- ✓ Significant reduction in energy production costs
- ✓ Guaranteed long-term economic savings
- ✓ Lower environmental impact and CO<sub>2</sub> emissions





## CONTACTS

Main Manufacturing Plant

**Termogamma Impianti e Servizi S.r.l.**

Headquarters:

Via F.Cervi, 25 - 20863 Concorezzo (MB)

Tel: +39 039 604 0678

VAT: 08119070152

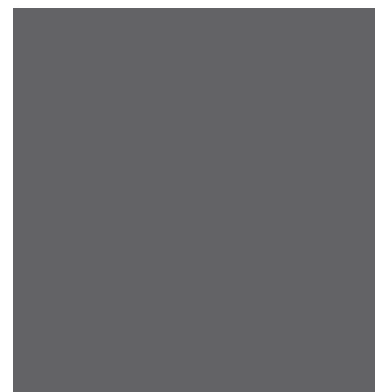
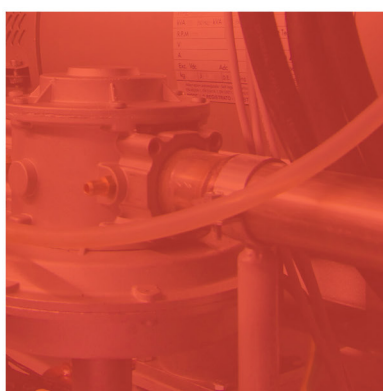
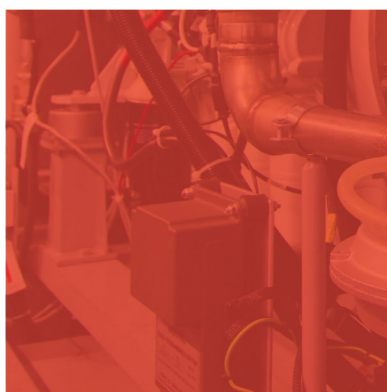
International Trade Headquarters

**Termogamma Energy Solution Sagl.**

Via S. Balestra, 27 - 6900 Lugano

VAT: CHE-221.351.624

[info@termogamma.com](mailto:info@termogamma.com)



[www.termogamma.com](http://www.termogamma.com)