

FLAMELESS HOT-AIR SOLUTIONS FOR
INDUSTRIAL HEATING AND DRYING

HEATTUBE

Efficient

Clean

Combustion



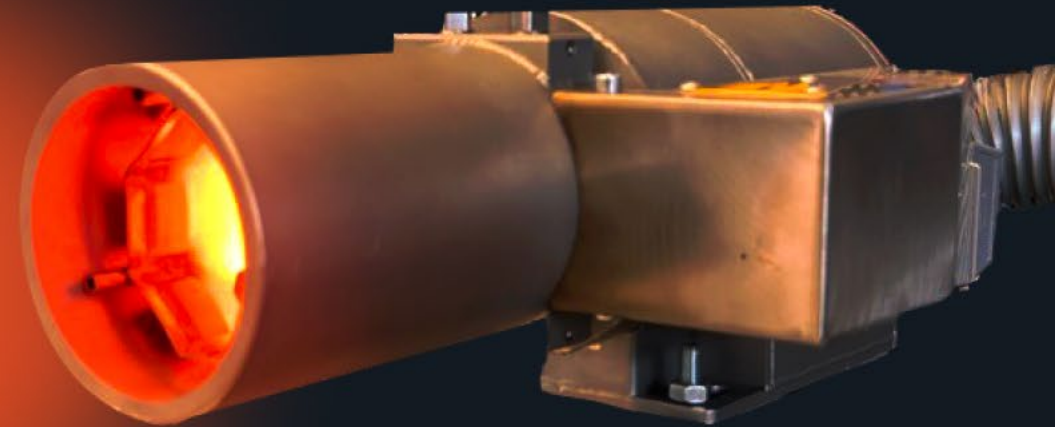
No transfer losses, maximum efficiency

The promeios[®] heattube hot air generator is a modular flameless heating technology providing controlled, clean, and uniform hot air for a wide range of industrial applications.

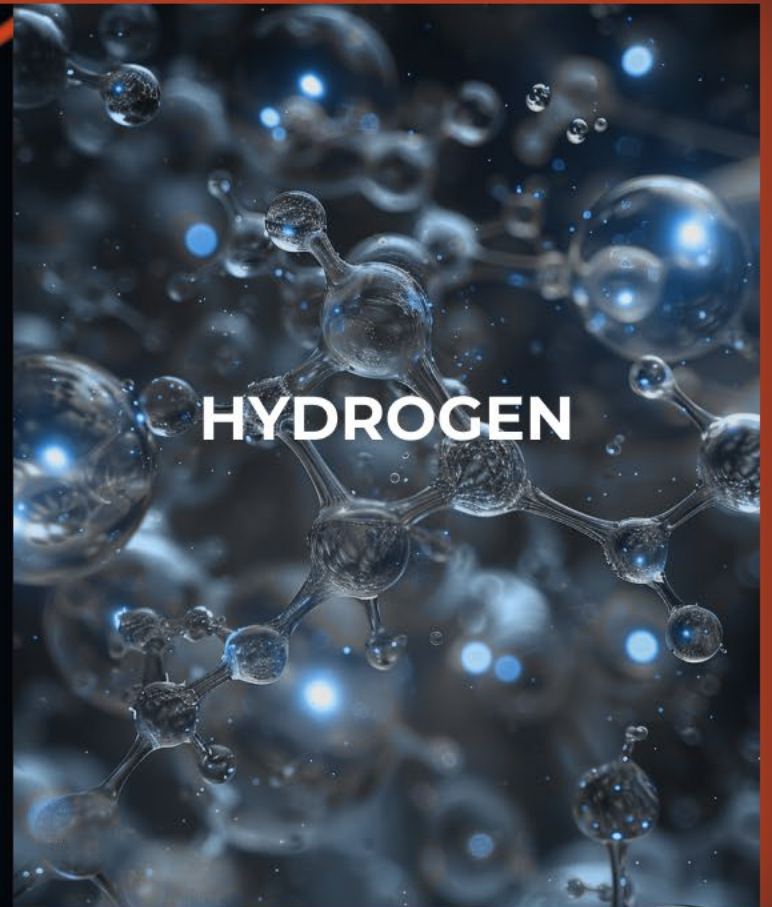
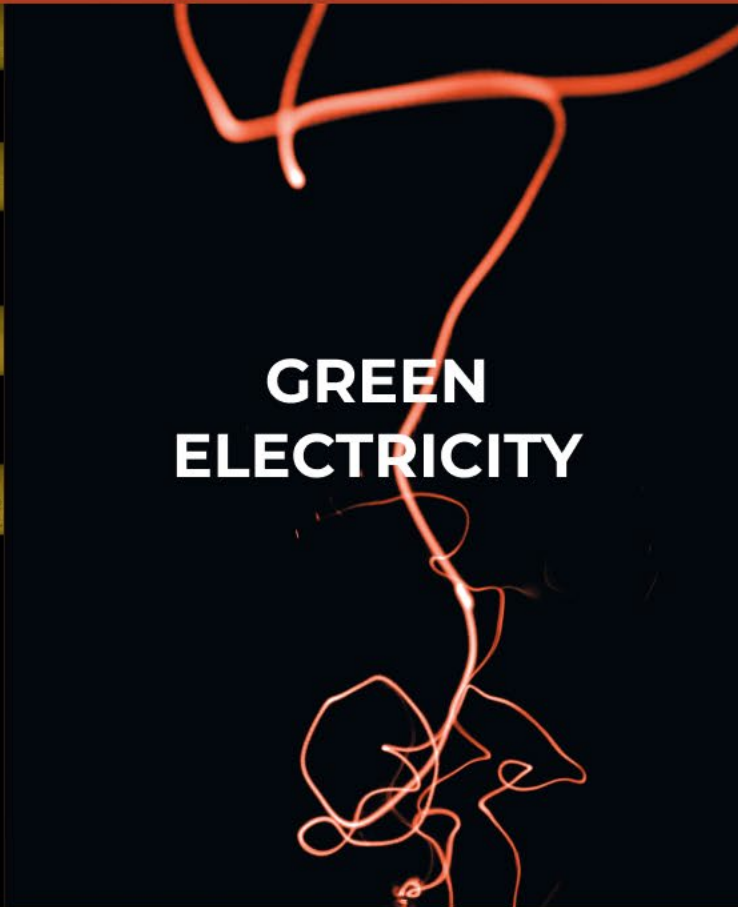
Developed for demanding environments, it ensures stable temperatures, high energy efficiency, and low emissions.

Key Facts:

- High energy efficiency
- Temperature range: 80 °C – 850 °C
- Energy source: all gases, electricity, H₂
- Compact, modular integration into existing equipment
- High-precision control up to +/- 1 °C
- Configurable nozzles for optimal heat distribution
- Programmable heating profiles and timer automation



All energy sources



Industries served



Case study: drying of concrete and refractory parts

Process: Formwork drying

Customer: Haba Beton

Temperature: 80 °C process air,

Burner setpoint: 720 °C

Duration: 6 hours continuous operation

Setup:

- Tangential hot-air injection between formwork and tarpaulin
- Permanent temperature measurement at 1.8 m height
- Stable 78–80 °C across all measurement points

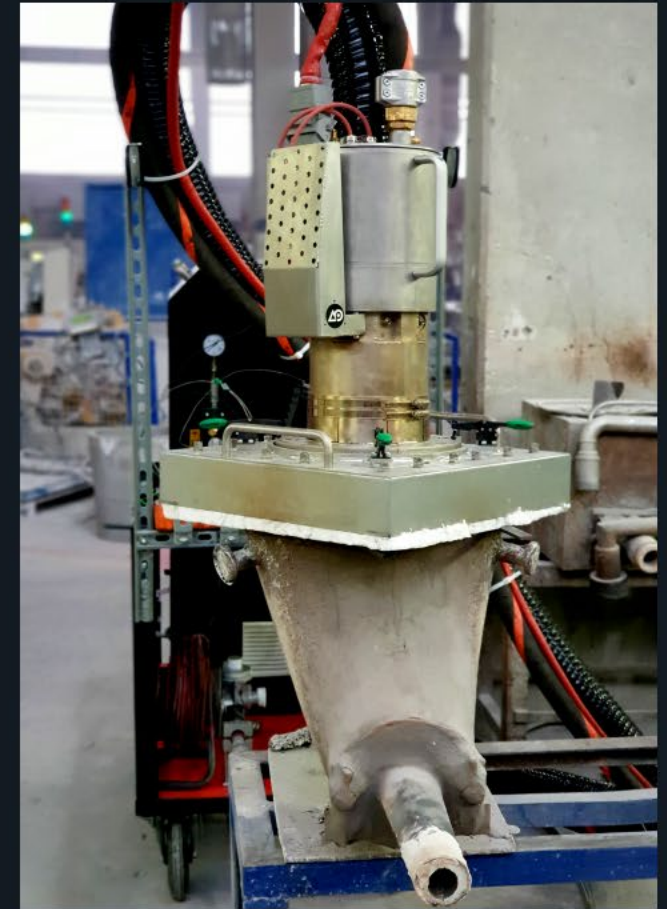
Result:

- Optimal drying outcome confirmed by customer
- Homogeneous heat distribution and clean operation



Industry case: stainless steel production

The versatile promeos® heattube, designed for a broad range of applications including warming, holding, and drying of ladles, crucibles, and funnels in both horizontal and vertical centrifugal casting. Ideal for high-quality stainless steel parts production.



Industry case: aluminium DC-Casting Spout Preheating

Heattubes are used to preheat the launder, stoppers, and the spout with remarkable temperature uniformity, delivering controlled hot air of up to 650 °C.

This smart, modular promeios[®] solution enhances casting stability, reduces thermal shocks, and shortens start-up times in continuous aluminum production.



Industry case: automotive manufacturing

The promeos[®] heattube preheats gravity dies with uniform hot air exactly where it matters.

Operating between 150 °C and 800 °C, it delivers improved casting quality, shorter cycle times, reduced maintenance, and clean, quiet, energy-efficient performance.



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ONE STEP AHEAD.



Novelis



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