



**LADLE PREHEATING SYSTEMS**  
**ALL GASES & ELECTRIC**



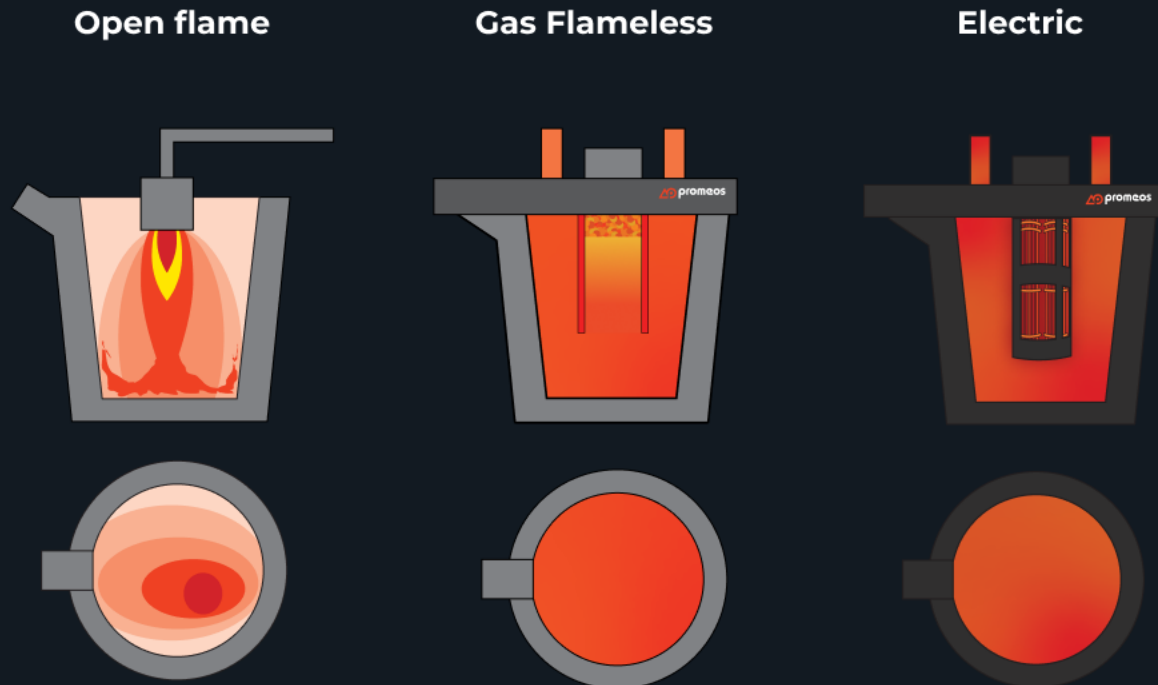
# LADLE PREHEATING SYSTEMS

GAS & ELECTRIC SOLUTIONS BY PROMEOS®

Whether in foundries or steel production, ladle preheating plays a critical role in quality, energy efficiency and process safety.

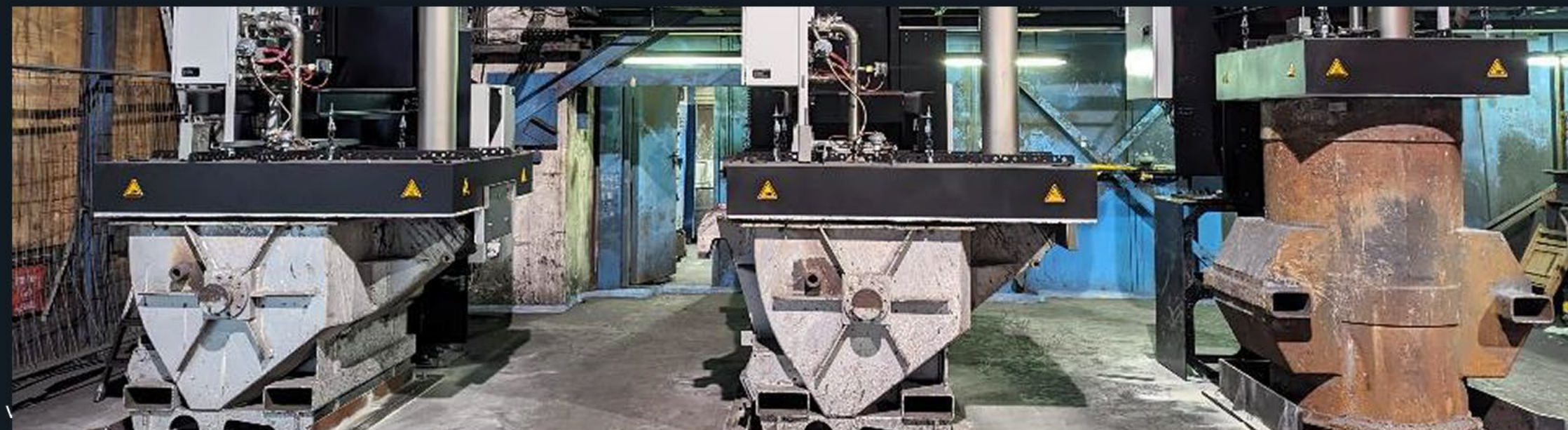
At promeos®, we deliver intelligent, energy-optimized ladle preheating systems—flameless gas or electric—tailored to your needs and infrastructure.

promeos® ladle heating systems provide highly effective, homogenous and fully controllable heat transfer for maximum efficiency and longer refractory lifespans.



# ALL GASES LADLE PREHEATING SYSTEM

IN ACTION



# LADLE PREHEATING SYSTEM ALL GASES

## KEY BENEFITS

-  **Flameless burner technology** – safe, uniform, silent heat
-  **High quality insulation** – minimal energy loss
-  **Reduced CO2 emissions** and energy consumption
-  **Long refractory lifespan** and fewer cracks
-  **Adaptable to your ladle size** and process layout

## FOR BOTH FORKLIFT AND CRANE TRANSPORT FOR:

casting  
ladles

transfer  
ladles

treatment  
ladles

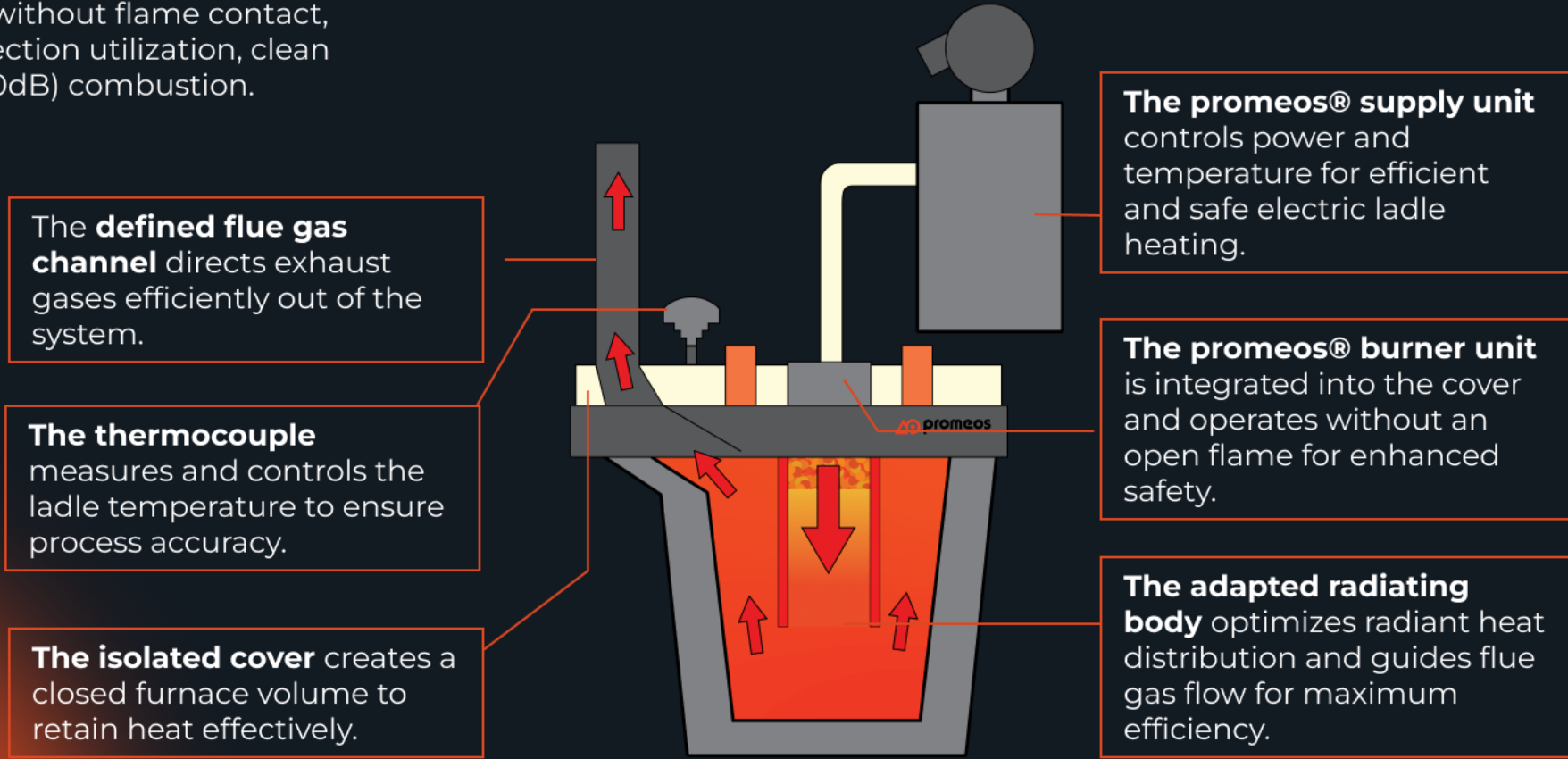
converters



# LADLE PREHEATING SYSTEM ALL GASES

## DESIGN DETAILS

Heating lid closes the ladle. Effective heat transfer without flame contact, optimal convection utilization, clean and quiet (<70dB) combustion.



The **defined flue gas channel** directs exhaust gases efficiently out of the system.

The **thermocouple** measures and controls the ladle temperature to ensure process accuracy.

The **isolated cover** creates a closed furnace volume to retain heat effectively.

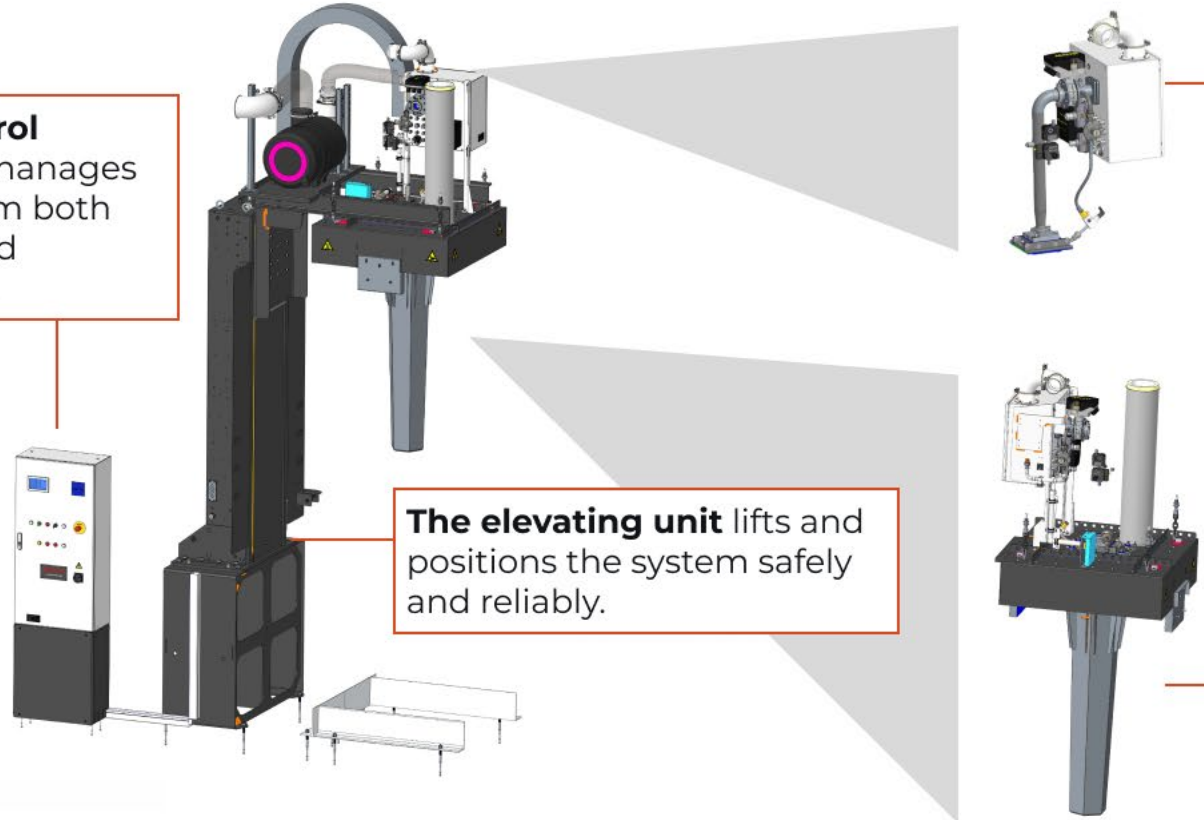
The **promeos® supply unit** controls power and temperature for efficient and safe electric ladle heating.

The **promeos® burner unit** is integrated into the cover and operates without an open flame for enhanced safety.

The **adapted radiating body** optimizes radiant heat distribution and guides flue gas flow for maximum efficiency.


# LADLE PREHEATING SYSTEM ALL GASES

## DESIGN DETAILS

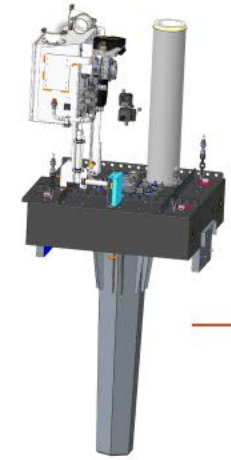


**The control cabinet** manages the system both locally and remotely.

**The elevating unit** lifts and positions the system safely and reliably.



**The supply unit and burner unit** deliver gas and air while ensuring operational safety and precise control.



**The radiant body or pipe** withstands high temperatures and is adapted specifically to each ladle for efficient heat transfer.

# ELECTRICAL LADLE PREHEATING SYSTEM

IN ACTION



# ELECTRICAL LADLE PREHEATING SYSTEM

## KEY BENEFITS

-  **Emissions-free operation** – match your sustainability goals
-  **High precision heating** – full temperature control
-  **Reduced energy waste** – focused energy use
-  **Intelligent automation** – control with min manual effort
-  **Flexible integration** – compatible with your existing production setup

## FOR BOTH FORKLIFT AND CRANE TRANSPORT FOR:

casting  
ladles

transfer  
ladles

treatment  
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converters



# CONTACT US

Whether you're looking to reduce energy costs, optimize your heating processes, or explore sustainable solutions, we're here to help.

Contact us today and discover how promeios® can transform your industrial heating systems.

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- 🌐 <https://my-temperature.com>

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