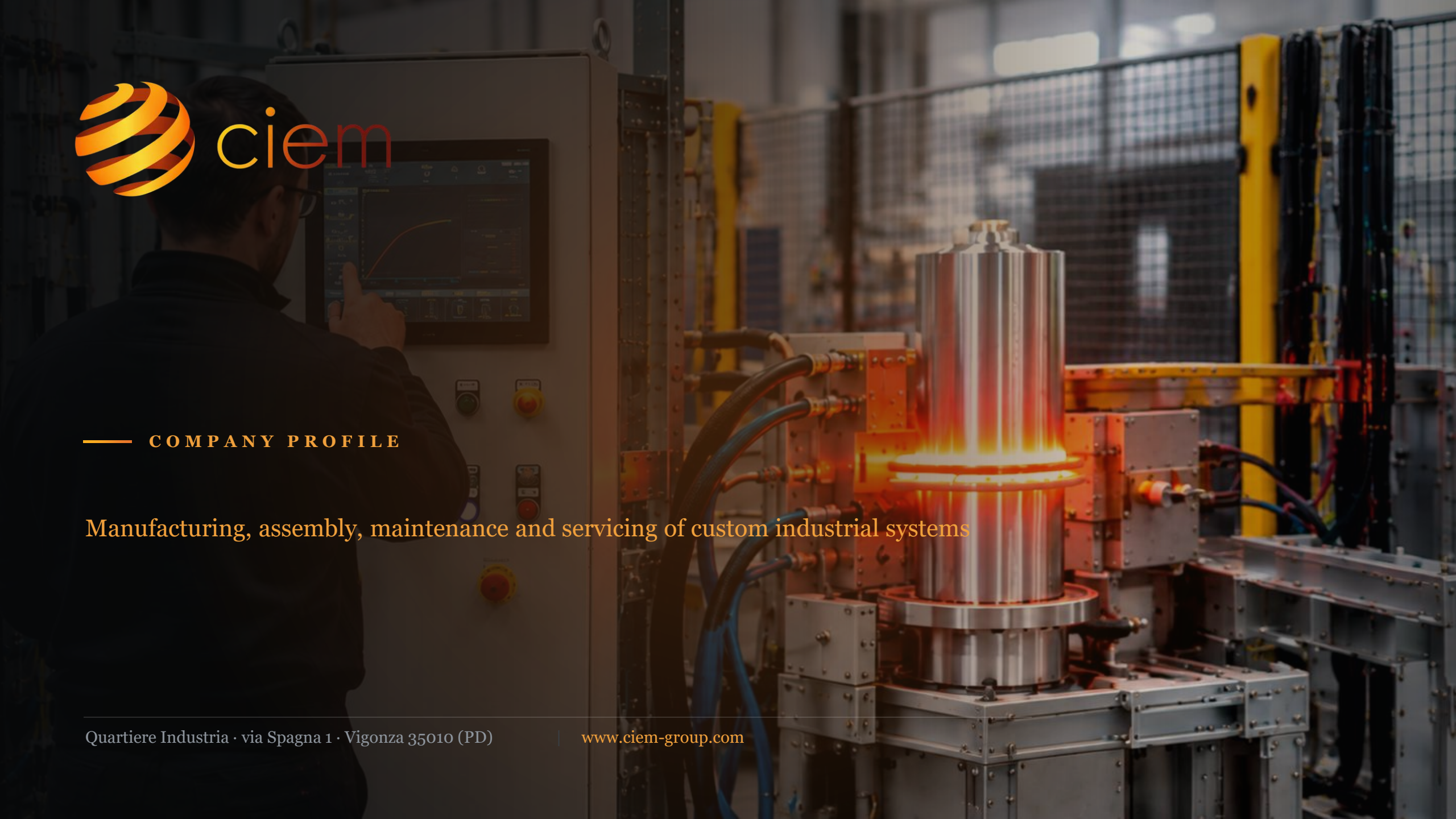


ciem

COMPANY PROFILE

Manufacturing, assembly, maintenance and servicing of custom industrial systems

Quartiere Industria · via Spagna 1 · Vigonza 35010 (PD) | www.ciem-group.com

“Behind every successful company is someone who made a bold choice”

Founded in the late 1980s by Giancarlo Zaghetto

Our roots

CIEM was founded in the late 1980s in a small workshop, driven by its founder’s vision and determination. From those beginnings, the company developed its expertise in induction heating machines, each custom-built with the precision and care of a bespoke garment.

Growth

Over the years, the company invested in modern, purpose-built premises, bringing together skilled professionals and cutting-edge technologies to fully meet its customers’ needs.

Today

Over the last decade, CIEM has continued to invest in research and development, combining the craftsmanship of genuine ‘Made in Italy’ products with the quality demanded by the most discerning customers all over the world.



Production facility

LOCATION & AREA OF OPERATIONS



CIEM S.r.l.
Vigonza (PD)

VISION & MISSION

OUR VISION

Relentless innovation

To keep improving and innovating the products we build for the mechatronics and electroheat industries, remaining an industry benchmark in Italy and abroad.

OUR MISSION

People first

Through the commitment of a qualified, experienced and professional team, to build the most innovative induction heating machines tailored to each customer's needs.

Drawing on its experience, CIEM meets the needs of customers across a wide range of industries.



HVAC & refrigeration

Induction brazing of copper pipies and components for air-conditioning and refrigeration systems.



Foundries & metallurgy

Metal casting, forging and heat treatment, with high-power solutions offering maximum energy efficiency.



Steel industry & tube mills

Induction furnaces for annealing, braze welding and processing of tubes, bars and sections in steel and special alloys.



Precious metals

Melting and processing of gold, silver and precious alloys, with safe, precise, low-environmental-impact processes.



Machinery & mechatronics

Custom machines for heating and assembling mechanical components for industrial automation.



Aerospace & defence

Assembly of advanced defence products, customisable to end-user requirements.

The following processes are carried out in-house at our facility.

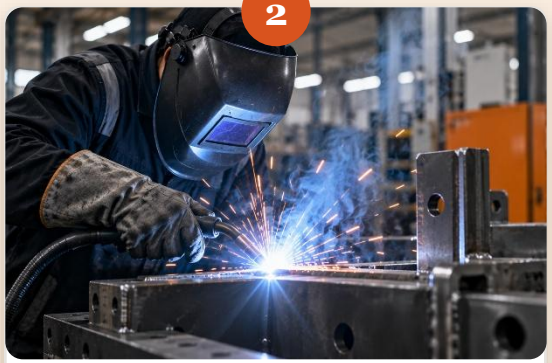
1



Assembly and system integration

Component assembly and on-machine system integration.

2



Joining and braze welding technology

Joints and welded assemblies on metal components and structures, to customer specification.

3



Oven curing and insulating varnish treatments

Varnishing and protective finishing cycles on components and metal fabrications.

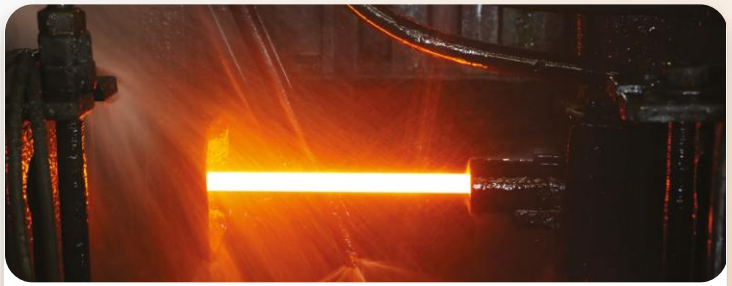
4



Resin mixing and casting technology

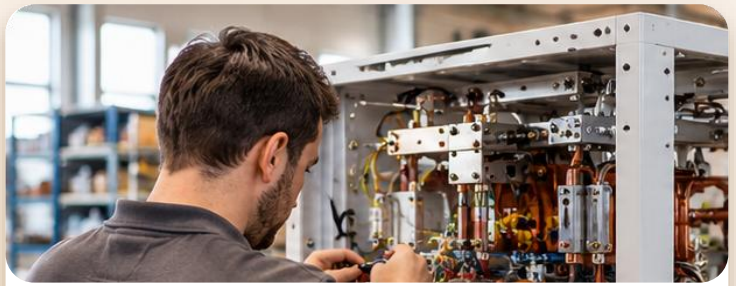
Application and casting of insulating and protective resins for electrical and electromechanical components.

We specialise in induction heating. We also provide assembly, wiring and maintenance services.



Induction heating

Manufacturing and testing of custom machines and systems for brazing, forging, melting and heat treatment.



Assembly, wiring and custom projects

Mechanical and electromechanical assemblies, control panel and generator wiring, build-to-print manufacturing.



Maintenance & service

Inductor repair and rebuilding, after-sales service including on third-party machinery.

In induction heating, heat is generated by the Joule effect within the material itself, rather than around it. The result is a more efficient process, with reduced energy consumption and extremely precise and targeted heat control.

Why choose induction

- **Health & safety** — no open flames on the shop floor
- **Lower environmental impact** — clean, electric process
- **Higher product value** — precise, repeatable heating
- **Automation** — better control of the finished product
- **Reduced downtime risk** — more reliable processes



Applications

Induction heating is used in a variety of processes, with solutions applicable across the industrial, automotive, metallurgical, foundry and precious metals sectors.

Heat treatment

- Induction brazing
- Melting
- Impact bonding welding
- Weld seam normalising
- Forging
- Braze welding
- Tempering
- Solution annealing

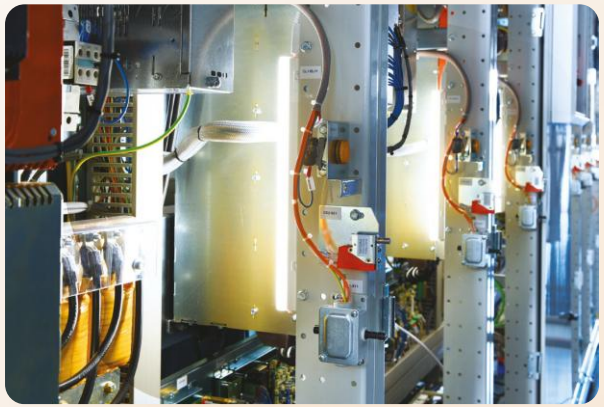
Precious metals processing

- Induction melting

Industrial induction furnaces

We assemble state-of-the-art industrial induction furnaces used in metal melting and processing. In particular, we assemble induction furnaces for tube annealing and induction melting furnaces for cast iron.

We also make our production capacity available for electromechanical assemblies and custom builds.





Mechanical and electromechanical assemblies

Assembly and integration of units and subsystems to customer specification.

Control panel and generator wiring

High and low frequency, with rated power from a few kW up to 2 MW.

Build-to-print manufacturing

Samples and special projects built to any requirement.

We provide our customers with maintenance and service, ensuring operational continuity, plant reliability and fast response times.



Inductor maintenance and repair

We deliver first-class after-sales service on our own machines and on third-party systems, adapting, repairing and, where necessary, rebuilding the existing heating inductors.

After-sales service

To ensure operational continuity.

Scheduled maintenance

Major maintenance can be scheduled in advance, keeping machines in service in excellent condition over time and minimising plant downtime.

In collaboration with the University of Padua, CIEM produces samples and build-to-print special parts for any requirement, always open to new frontiers in industrial manufacturing.

Department of Electrical Engineering

CIEM collaborates with the Department of Electrical Engineering at the University of Padua on the development of experimental prototypes within the Electrothermics Laboratory, and also carries out modifications to these prototypes in accordance with the department's specifications

Certifications



Let’s talk about your project

From design to service: a single point of contact for all your needs

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