



At X-Heat , we design and deliver high-performance heating systems for all types of commercial and industrial buildings

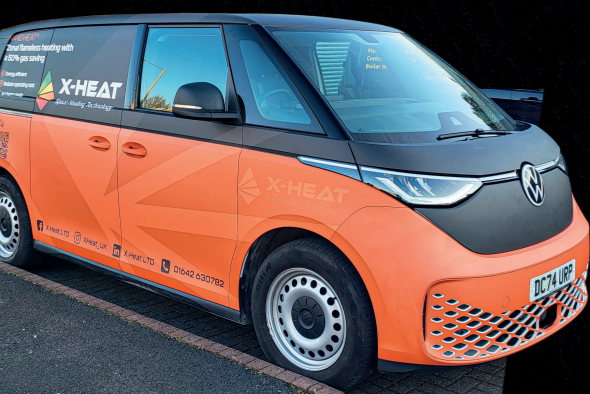
With expertise in engineering, compliance, and sustainable energy, our mission is to future-proof businesses with reliable, cost-effective, and hydrogen-ready solutions.



Innovative Heating Solutions for Industry and Commerce

Efficiency. Compliance. Sustainability.

X-Heat delivers next-generation heating technology engineered for the commercial and industrial sectors. From hydrogen-ready systems to compact and efficient designs, our products empower businesses to achieve sustainability goals, reduce costs, and ensure long-term compliance.



Ready to future-proof your heating systems?
Contact us today to arrange a consultation.

xheat.co.uk | [01642 630872](tel:01642630872) | sales@xheat.co.uk

Trusted Heating Solutions for Blue-Chip Companies Across the UK.



Who We Are

X-Heat was established to transform the industrial heating landscape with innovative, energy-efficient solutions. Built on decades of combined industry expertise, we specialise in developing catalytic heating technologies that set new benchmarks for safety, performance, and sustainability.

Our experience spans across multiple sectors, enabling us to understand the unique challenges businesses face when it comes to energy use, cost reduction, and environmental responsibility. From the very beginning, our focus has been on helping organisations achieve greater efficiency while preparing for a cleaner, low-carbon future.

At X-Heat, we are more than a heating solutions provider — we are a partner in innovation, committed to shaping a safer, smarter, and more sustainable industry.

Mission Statement

“At X-Heat, we are transforming the future of commercial heating by harnessing the power of catalytic technology. Our mission is to deliver innovative solutions that maximise energy efficiency, enhance safety, and dramatically reduce carbon emissions. By setting new standards in performance and sustainability, we are helping businesses embrace cleaner, smarter heating systems and leading the industry into a more sustainable future.”

Testimonial

“X-Heat have collaborated with us and partnered with us to make sure we picked the right heating system for the right process at the right time. The level of support, innovation and general expertise that we’ve had from them has been absolutely invaluable. Because of the flexibility and the support we’ve got from X-Heat, we can’t recommend them highly enough. Absolutely tremendous.”

Bob James,
Technical Collaboration Lead, MBI.

Carbon Reductions by Switching to Catalytic Combustion

- ✔ Catalytic combustion enables fuel to burn more completely at lower temperatures, which significantly reduces the formation of harmful by-products like carbon monoxide and unburned hydrocarbons.
- ✔ By improving combustion efficiency, catalytic technology ensures more of the fuel’s energy is converted into heat, lowering overall fuel consumption.
- ✔ Lower fuel usage directly translates into reduced carbon dioxide emissions, the primary contributor to climate change.
- ✔ The stable and cleaner burn achieved through catalytic combustion minimizes soot and particulate matter, further improving air quality.
- ✔ Switching to catalytic combustion represents a practical step toward achieving carbon reduction targets while maintaining reliable energy performance.

PICO & Nano-Heat Operating systems

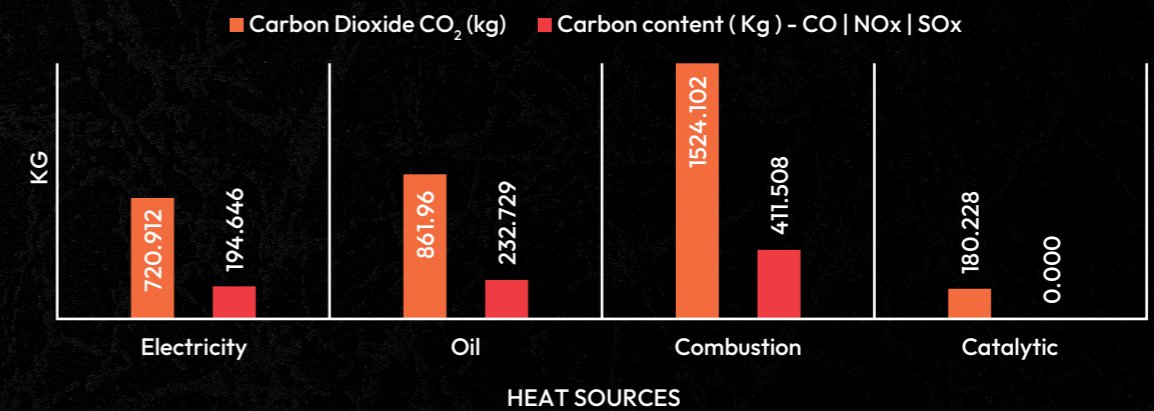
Our Nano-Heat range is a permanent, fixed heating system designed for efficiency and long-term performance. With its electronic gas burner control and ability to operate on Natural Gas, LPG, or 100% Hydrogen, it delivers precision, reliability, and future-ready energy flexibility.

The PICO range is built for portability and convenience. Compact and easy to move, it runs on LPG and features a manual burner control, making it the ideal choice for temporary, mobile, or smaller-scale heating applications.

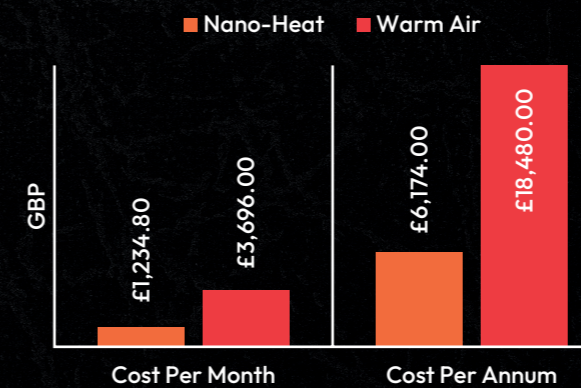
	Nano-Heat	PICO
Type	Fixed Heating system	Portable
Fuel	Natural Gas LPG Hydrogen	LPG Hydrogen
Control	Electronic burner control	Manual burner control
Use Case	Long term, permanent installation	Flexible, mobile or temporary heating
Benefit	Future ready, precise, efficient	Practical, simple, convenient

Typical Savings and Reductions Using X-Heat Technology

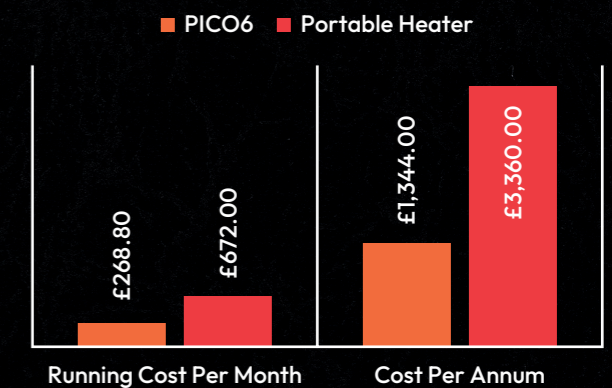
Carbon produced from various heat sources over a 100days (67,200kW)



Nano-Heat Running Costs



Pico⁶ Running Costs



Nano-Heat 10

Introducing Nano-Heat®, the infrared space heater that delivers exceptional heating performance while reducing carbon emissions by up to 90%.

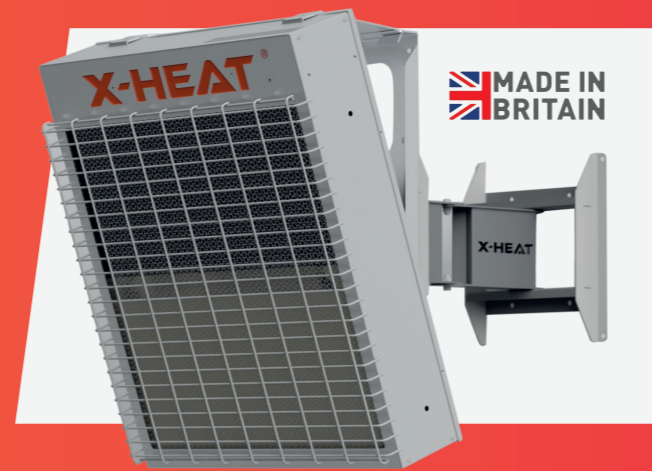
Our state-of-the-art technology ensures that our heaters operate on multiple fuels, making it a versatile solution for any commercial space.

And, coming soon, we will have a fully 100% hydrogen ready model that can be operated on either natural gas or hydrogen gas with no mechanical intervention required.

With H2O as the only bi-product, you can enjoy a sustainable heating solution without compromising on performance. Experience the ultimate comfort and warmth with Nano-Heat® - the perfect heating solution for your commercial space.

Perfect for:

Small commercial space, retail units, and facilities where space and efficiency matter.



Key Features:

- ✔ Flueless , Flameless , Fire-proof
- ✔ Zero formation of CO emissions
- ✔ Zero formation of NOx emissions
- ✔ 50% reduction on operating costs
- ✔ 100% Hydrogen ready
- ✔ Innovative green technology

Ventilation

The surface of the catalyst requires at least 10 m³/hr air per kW of energy. If operated correctly, it will produce minimum (trace) amounts of carbon monoxide and nitrogen oxides. The reaction products are heat, water and carbon dioxide. The unit does not require a flue to remove waste gases.

Technical Energy	Natural Gas (NG)	Liquified Petroleum Gas (LPG)
Heat Input	7.5 - 10.5 kW	7.5 - 10.5 kW
Appliance Type	A3	A3
Appliance Cat.	I2H G20	I3P G31
Dimensions	620 x 720 x 140	620 x 720 x 140
Weight	18 kg	18 kg
Gas Ps mbar	Max 13mbar / Min 7mbar	Max 27mbar / Min 15.5 mbar
Gas Connection	½"	½"
Power Consumption	125 W	125 W
Voltage	240 V	240 V
Typical Gas Usage	0.69 - 0.95 kg / hr	0.45 - 0.76 kg/hr
CO2 %	0.5% - 2%	0.5% - 2%
NOx	Class 5	Class 5
CO	0 ppm	0 ppm

Nano-Heat 24

The Nano-Heat 24 is an advanced, high-efficiency heating solution designed for maximum safety, flexibility, and performance in commercial and industrial environments.

Engineered with cutting-edge technology, the system is flueless, flameless, and fireproof, ensuring zero combustion risk and enabling installation in virtually any area of a building – including plant rooms, production floors, corridors, and warehousing and high racking spaces.

Fully 100% hydrogen-ready, the Nano-Heat 24 is future-proofed for the transition to sustainable energy sources, while maintaining exceptional efficiency and low operating costs.

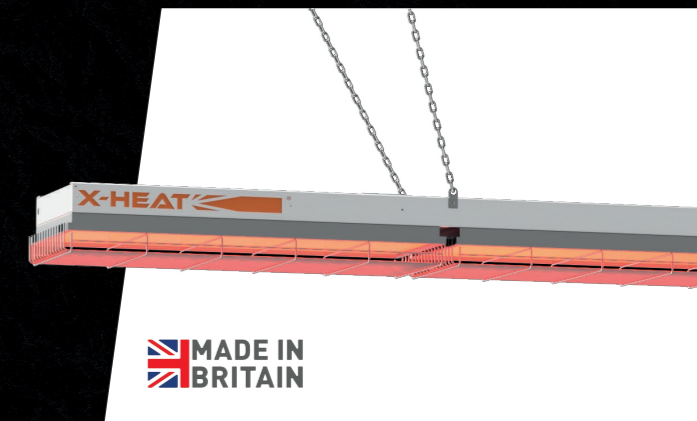
Its compact, modular design allows for rapid installation with minimal disruption and no requirement for traditional flue infrastructure.

Key Features:

- ✔ Flueless, flameless, fireproof design for unmatched safety
- ✔ 100% hydrogen-ready for future energy compliance
- ✔ Safe for use in all areas of commercial or industrial premises
- ✔ No combustion = zero emissions at point of use
- ✔ Compact footprint for easy integration into existing facilities
- ✔ Low maintenance requirements and high reliability
- ✔ Energy-efficient performance supporting net-zero targets

Perfect for:

Warehouses, museums, manufacturing facilities, sports halls.



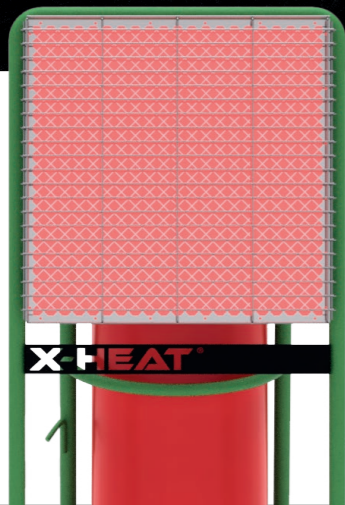
Technical Energy	Natural Gas (NG)	Liquified Petroleum Gas (LPG)
Heat Input	8 - 24kW	8 - 24kW
Appliance Type	A3	A3
Appliance Cat.	I2H G20	I3P G31
Dimensions	L3000 x W400 x H190	L3000 x W400 x H190
Weight	25 kg	18 25Kgkg
Gas Ps	14mb	34mb
Gas Connection	½"	½"
Start up Wh	2000w	2000w
Voltage	240 V	240 V
Gas consumption	0.76 - 2.2 M / Hr	0.7 - 2 Kg / Hr
CO2 %	0.5% - 2%	0.5% - 2%
NOx	Class 5	Class 5
CO	0 ppm	0 ppm

PICO⁶

Introducing PICO⁶, A portable heating solution the only one of its type, This exceptional product delivers performance, safety and efficiency far beyond any other portable heating solution.

PICO⁶ has no trailing cables making it completely safe in any type of environment.

The frame is supported on four industrial castor wheels which provides effortless mobility, the fuel source can be either LPG or Propane and can securely hold a 47Kg or 19Kg cylinder. PICO⁶ has zero moving parts which eliminates any noise pollution making for a safer working environment. Contact us today to enhance your product range or workspace.



Perfect for:

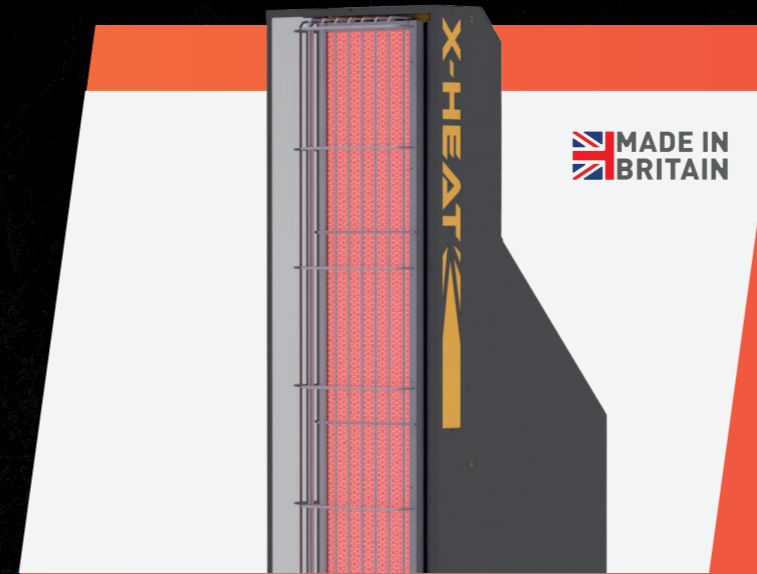
Small to medium factories, automotive garages, film studios, assembly areas.

Key Features:

- ✔ Flueless, Flameless, Fire-proof
- ✔ No trailing leads
- ✔ 100% Hydrogen ready
- ✔ 60% reduction on energy costs
- ✔ Zero formation of CO emissions
- ✔ Zero formation of NOx emissions



Technical Energy	LPG
Heat Input	6kW
Appliance Type	A3
Appliance Cat.	I3P G31
Dimensions	H1400 x W670 x D720
Weight	18 kg
Gas Ps mbar	Max 37mb / Min 28mb
Gas Connection	3/8"
Start up Wh	600w
Voltage	240v - 110v
Consumption	0.4 Kg/hr
CO2 %	0.5% - 2%
NOx	Class 5
CO	0 ppm



PICO⁴

Small Size, Big Impact

The PICO⁴ offers a lightweight, compact heating solution for smaller commercial premises and retrofits. Despite its size, it delivers dependable efficiency and performance where it matters most.

The PICO⁴ is X-Heat's most compact heating solution, designed for businesses that need reliable performance in space-limited environments.

Despite its lightweight footprint, the PICO⁴ delivers impressive efficiency, making it a perfect choice for retrofits, refurbishments, and smaller commercial premises.

Built to the same high standards as our larger systems, it offers future-proof hydrogen-ready technology, ensuring long-term compliance with sustainability goals. Easy to install and cost-effective to run.

Perfect for:

Portakabins, Hire & outdoor events, Industrial units, Domestic refurbishment.

Key Features:

- ✔ Ultra-compact footprint for space-limited environments.
- ✔ Hydrogen-ready for sustainable energy transition.
- ✔ Easy to install and integrate into existing systems.
- ✔ Cost-effective without compromising on performance.

Technical Energy	LPG
Heat Input	4.2kW
Appliance Type	A3
Appliance Cat.	I3P G31
Dimensions	H1400 x L330 x W420
Weight	18 kg
Gas Ps mbar	Max 37mb / Min 28mb
Gas Connection	POL
Start up Wh	400w
Voltage	240v
Consumption	0.3kg/hr
CO2 %	0.5% - 2%
NOx	Class 5
CO	0 ppm