

The **MOST AWARDED**
Electric Heating Company

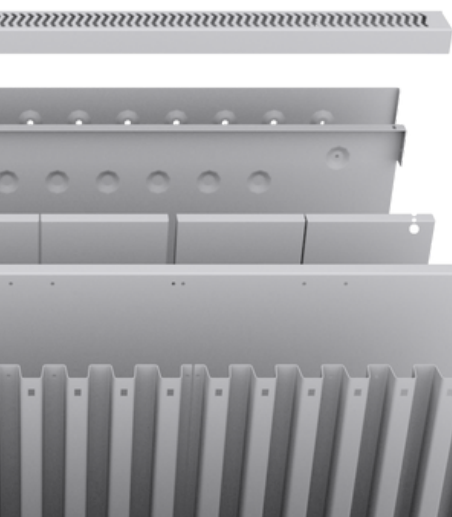


trust

Heating designed for a reason

Here at Trust Electric Heating, we created a Multi Award-Winning, Patented Electric Radiator that is Made in Britain, engineered to keep you warm without the high heating bills! We have worked tirelessly to develop products you can't help but love, no matter your budget, size or scope. Working in partnership with you, we strive to bring you a heating system that not only meets your needs but exceeds your expectations, backed by our lengthy 25-year British guarantee.

So, you're looking to buy an electric radiator and you've probably found lots of solutions. But you want to buy the BEST, a radiator that really does everything it promises to... and that's the exact reason we created the NEOS - British engineered from premium materials and inspired by a variety of heating solutions, designed specifically to solve all of your heating problems.



Panel radiator



aesthetically pleasing, 6.5cm in depth

Storage radiator



soapstone core, low heating bills

Fan radiator



fast heat - Quadvex Convection

Gas



flexible single point of control

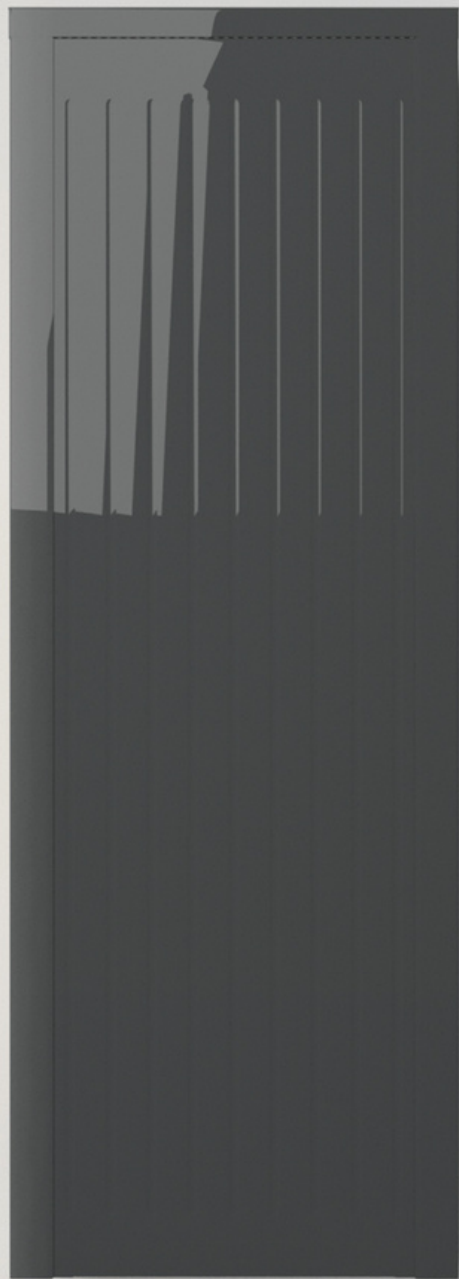
German inspired



British engineered to last



Scan to Watch - What Make the NEOS Different Video



Meet the **neos**

Combining world-class engineering and BRITISH manufacturing, experience the power of the NEOS - the secret to keeping your home, office or workplace warm for less...

Soapstone Core

The soapstone core stores heat, keeping you & your room warm using stored electricity = lower heating bills!

Aluminium Casing

The recyclable aluminium casing is 2.9 x more conductive than mild steel - this means the NEOS heats the room FAST!

Serpentine & Cool-Wall Tech

Our PATENTED cool-wall technology ensures the maximum heat goes into your room and NOT lost to the back wall!

Slim (6.5cm in depth)

Elevate your space with our stylish solution and one of the slimmest radiators on the market!

Modular Design

Our UNIQUE modular design ensures you should never need to replace the inner radiator, only the outer casing.

Dual Convection

Our exclusive dual convection doubles the surface area of standard radiator flutes which gets your room warmer, QUICKER!

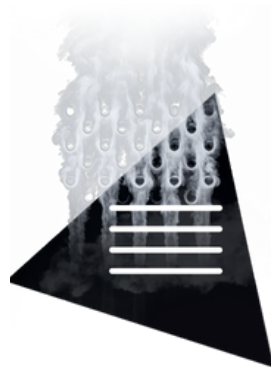
Buy direct from the people who make it

Sometimes thinking inside the box is the answer...

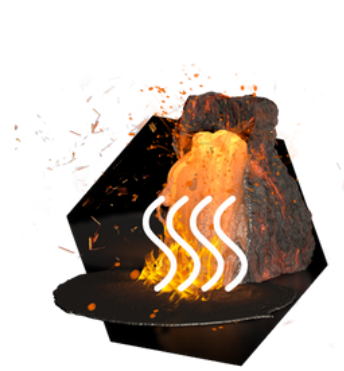
The NEOS has been specifically designed with you, your space and the planet in mind. Every element has been British Engineered for a specific reason. Let's break down the elements...



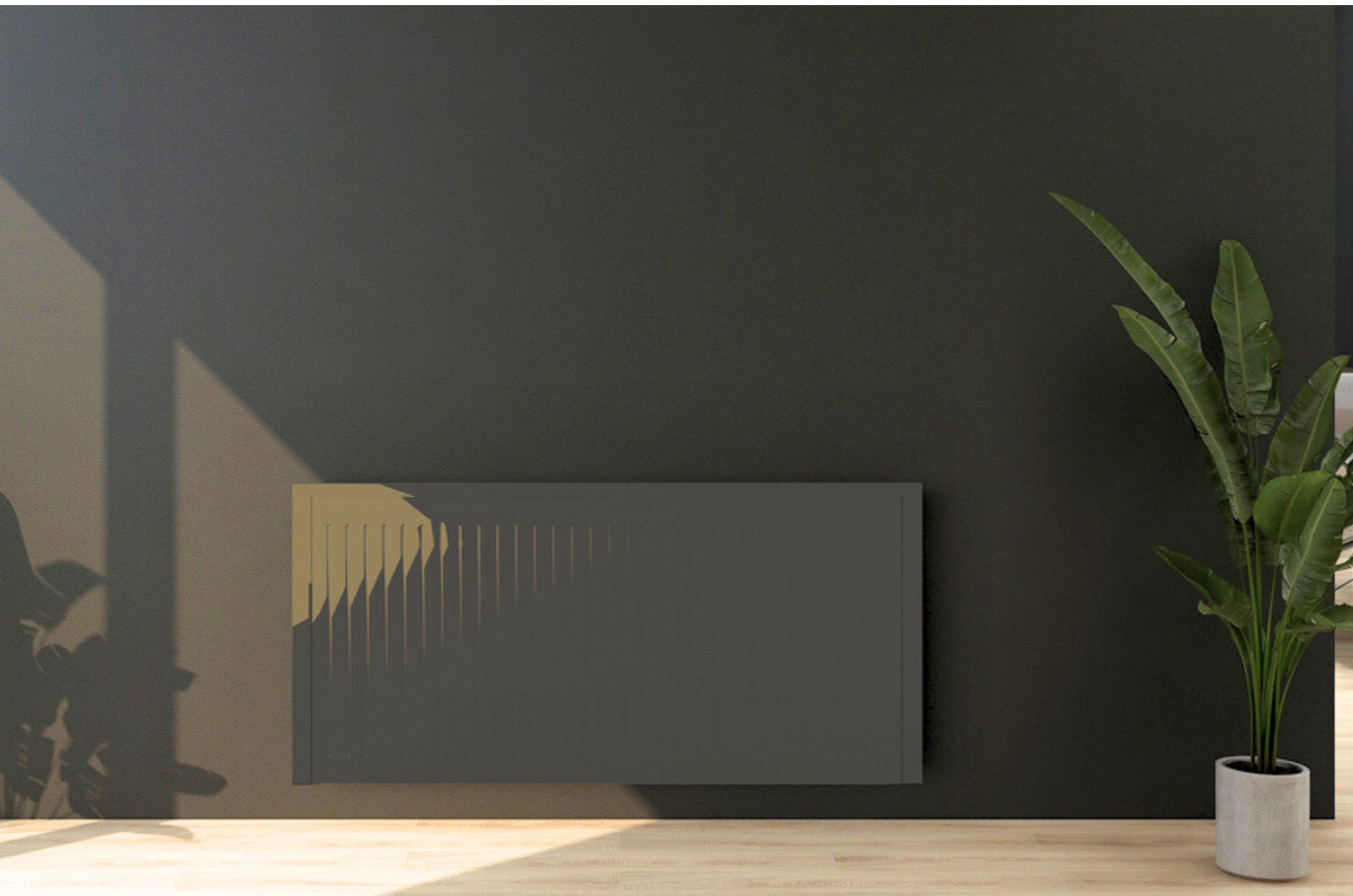
Earth



Wind



Fire





Earth: Aluminium

The NEOS casing has been specifically designed using aluminium (despite it being a more expensive raw material than mild steel), because of its excellent conductivity (moving heat, faster), than any other metal.

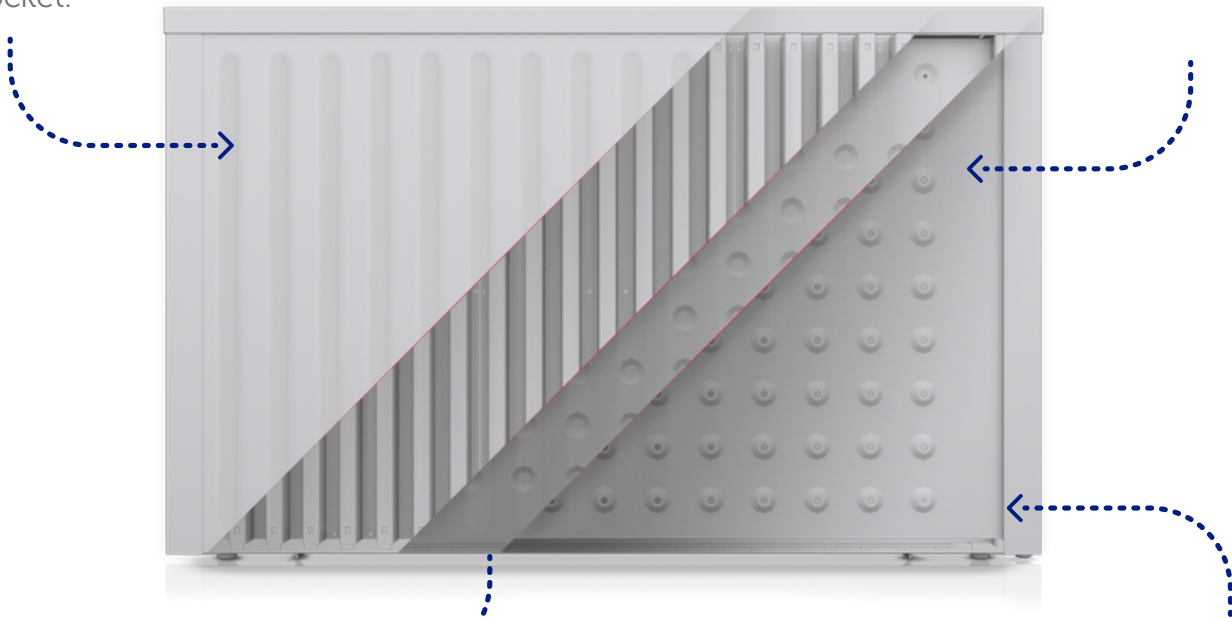
What makes aluminium the perfect radiator casing material?

290% MORE CONDUCTIVE

Aluminium is 290% more conductive than mild steel (which is what most radiators are made of). Greater conductivity means that aluminium is better at producing and dissipating heat. It is almost 3x better than mild steel, which means you will feel the heat in your room quicker and feel the difference in your pocket.

DAMAGE PROOF

The NEOS is the only radiator in the UK that is modular - this means if your radiator does get damaged, we can easily replace damaged parts, and you won't have to pay for an entire new radiator.

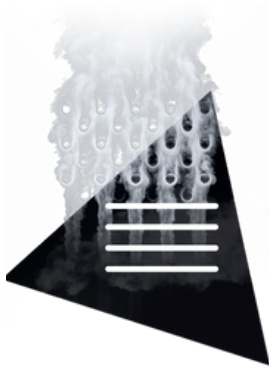


RUST PROOF

Aluminium is rust-proof, unlike mild steel - this means it has a much longer life span than a mild steel radiator and no maintenance costs.

100% RECYCLABLE

Aluminium is 100% recyclable and is a much more environmentally-friendly material than mild steel - this is because steel is often sourced from overseas which means it often has a much larger carbon footprint.



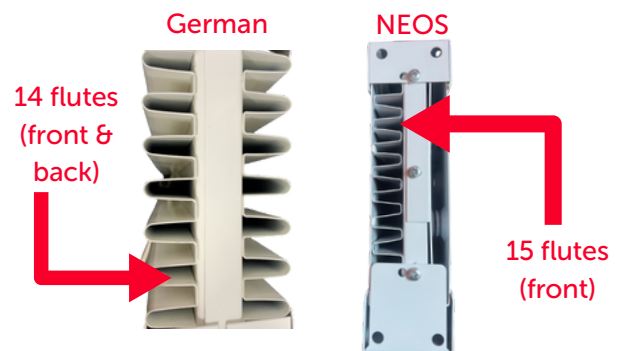
Wind: Convection

The NEOS uses Quadvex Convection to warm your room quickly and effectively. It has 4 points of convection. Usually, most radiators have 1 - 2 points of convection...

DUAL CONVECTION: 2 POINTS

By adding a front panel to the flutes, we have doubled the amount of convection.

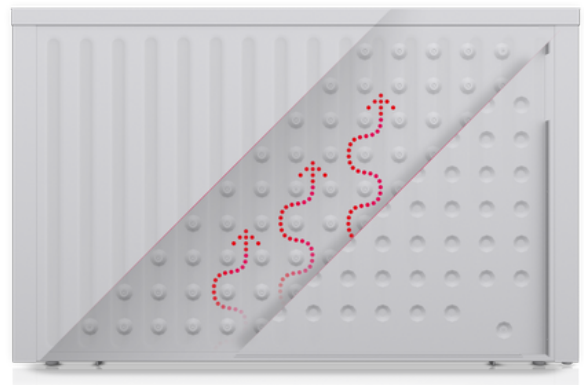
- » DOUBLED amount of flutes
- » Quicker warm up rate
- » 2 x CONVECTION
- » Up to 40% more room heat



SERPENTINE CONVECTION: 1 POINT

The patented dimpled back panel forces the air to RISE in a serpentine movement. This means the air has to travel a longer distance = in contact with the heat (core) for longer = warmer air.

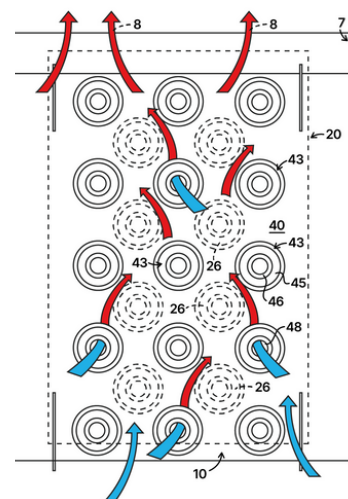
- » Minimum Heat Loss to the Back Wall
- » Maximum heat created into the room!
- » PATENTED Cool Wall Technology
- » Up to 40% more room heat



COOL-WALL TECHNOLOGY: 1 POINT

We added small holes at the tip of each dimple. These holes draw the latent cold air into the radiator, preventing heat from being lost behind the radiator.

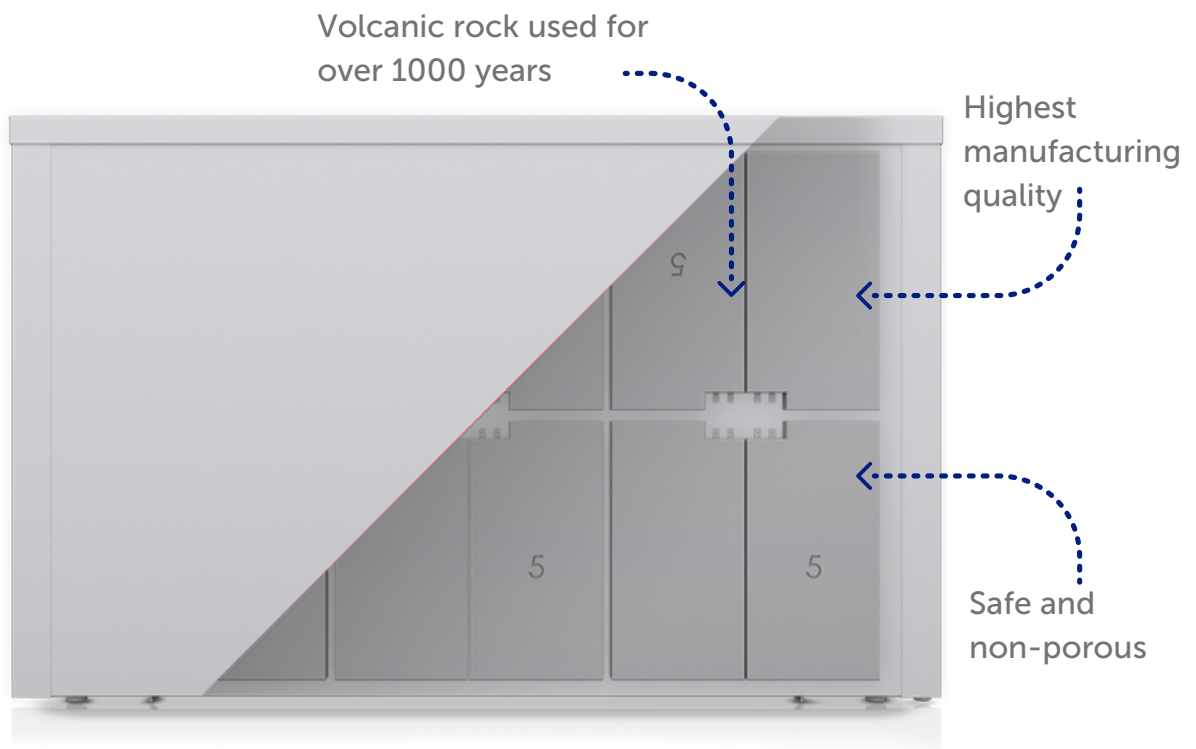
- » Increased warm air
- » Maximum use of convection process
- » Warmer room not warm back wall
- » Up to 40% more room heat





Fire: Soapstone

Our soapstone core will give you all day warm-room confidence, for less. Soapstone is a volcanic rock that has been used for centuries for heat retention, which makes it the perfect material for use inside electric radiators.



1. High Heat Capacity

Soapstone absorbs and retains heat for long periods of time. This means you will get a consistent room temperature using less electricity.

2. Durability

Soapstone can withstand very high temperatures without breaking or cracking, this is why the NEOS has a 25 year guarantee.

3. Non-Porous

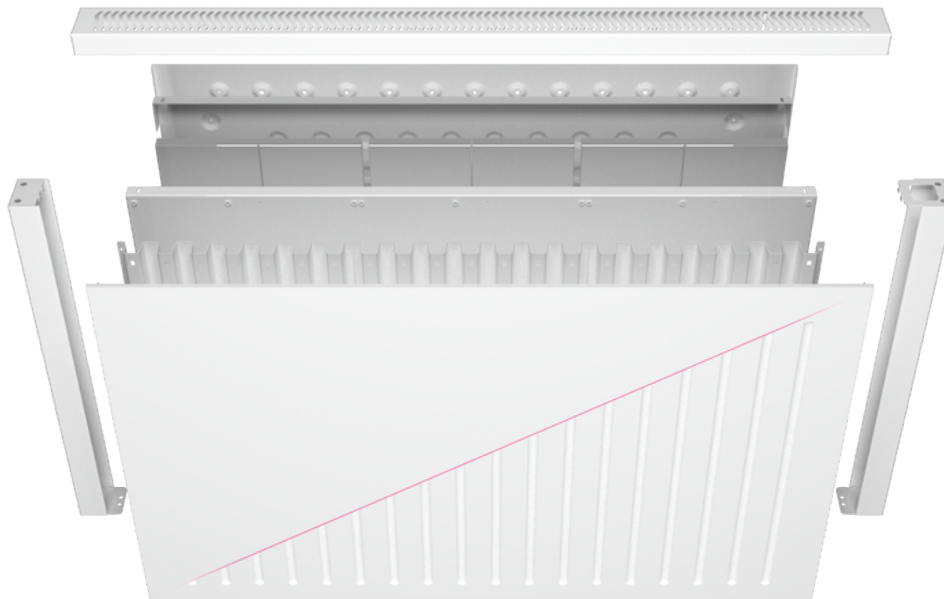
Soapstone is non-porous and doesn't absorb water, this prevents cracking and breakage, unlike other stones on the market.

4. Energy Efficiency

Soapstone stores heat very well once the power is turned off - this will give you heat using minimum electricity, saving money on your heating bills.



Easy to install...



Because the NEOS can be fitted with either a plug or a fuse spur - it is very easy to install!

Not only was the lid grill designed for optimum energy output, but it also has markings to make installation easy, so you know exactly where your screws and wall brackets need to go for the perfect radiator fitting, without the hassle.

The NEOS is modular, this means you can refresh or replace any part without having to pay for an entire radiator...

1

EASY TO REPLACE

If you damage your radiator, it is really easy to change the front, top or side panels - a brand new looking radiator for less!

2

AESTHETIC

If you change the aesthetic or colour of your room, you can also change the colour of your radiator!

3

SAVE MONEY

With a 25-year guarantee and an affordable whole-life cost, reduce your maintenance costs.

The **neos** Range



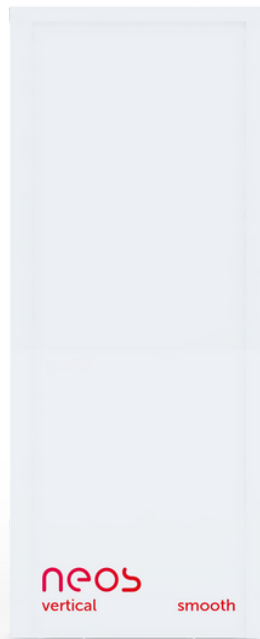
SLEEK



0.8kW - 2.5kW



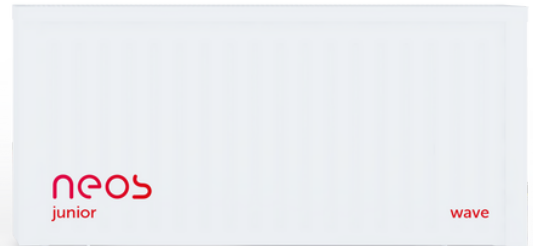
MODERN



1.6kW - 2.5kW



SLIM



1.6kW - 2.5kW



Take a look inside

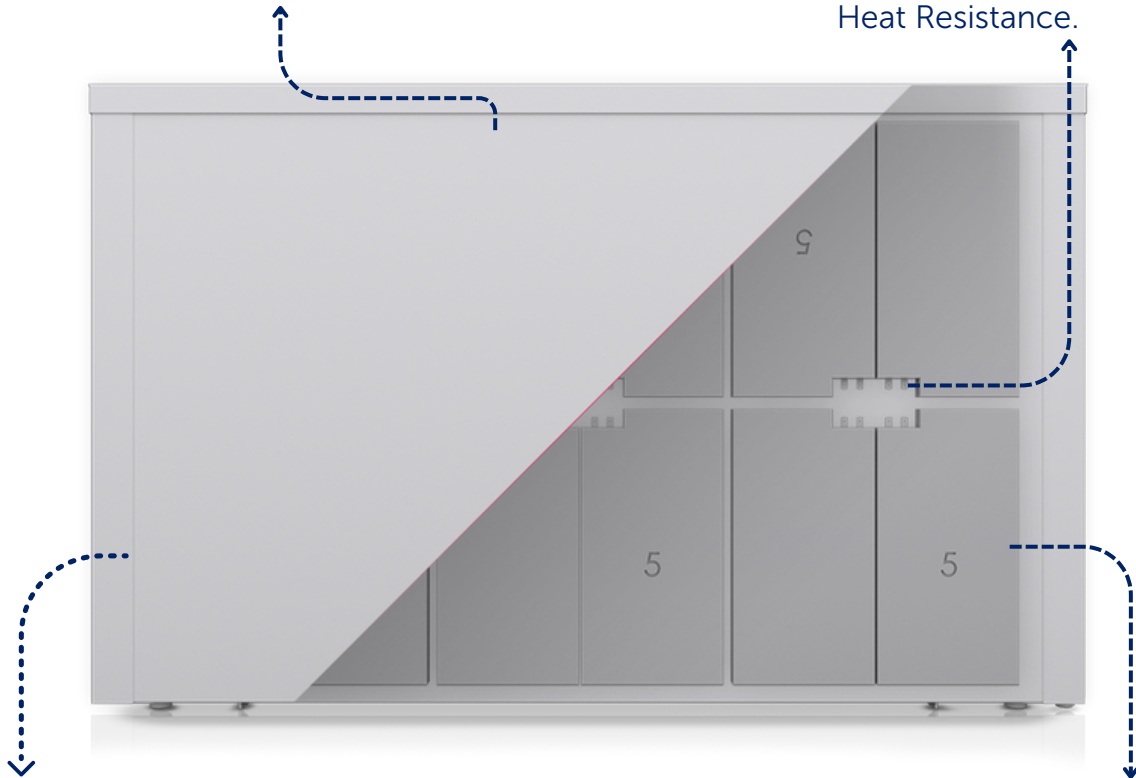
When we say EVERY SINGLE ELEMENT was designed for a REASON, we really mean it, even the inside of the NEOS is engineered for sustainable & long-lasting heating, you can trust.

Auto-Reset Safety Trips

Automatic Overheat Prevention.

Tungsten Element

Unparalleled Durability and Heat Resistance.



Unique Wiring

Optimised Element Performance and Longevity (25% of its capacity, not 100%).

Heat Resistant Silicone Wiring with Fibreglass Protection

Enhanced Safety and Reliability.

The way the NEOS has been designed is why we can assure you of the following numbers...

The NEOS in numbers

59.4% *more effective*

With our soapstone core, we release heat using minimum electricity = lower heating bills.

290% *more conductive*

This is because we are made from aluminium not mild steel - this means the heat will release into your space quicker and keeping your warm for longer!

50% *lower running costs*
**than other electric radiators*

Our back-wall technology ensures all the heat is convected into your room. NOT your wall = warmer room!

250% *longer life-span*

All NEOS radiators come with a lengthy 25 year British manufacturers guarantee = worry-free heating for **9125 days!**

*Compared to a 1.2kW electric panel heater in a 24 hour test with the University of Huddersfield.



But we didn't think that was enough



"Our mission was to ensure customers like you could **trust us to maintain optimum temperatures throughout your space in the most energy efficient way possible** - so we set upon a journey to support all of our claims with scientific proof, tested by independent experts and academic white papers."

- Scott Conor, Founder of Trust Electric Heating



CE Approved - independently by Intertek



To guarantee the NEOS has top-level safety, we needed to gain CE accreditation. However, we didn't want to self-certify (tick-boxes) like most companies do. Instead we paid £10k for the NEOS to be independently tested by Intertek.

The NEOS went through rigorous testing to ensure it met the highest standard of safety for our customers.

Research Team at the University of Huddersfield



In 2020, we partnered with the University of Huddersfield on a Knowledge Transfer Partnership (KTP). This was a research-led project with strict objectives for 3 years, that tested our radiator versus our competitors.

Then we embarked on another two KTPs to test the impact of our patented cool wall tech and examined the way the NEOS heats a room.

All KTPs have been instrumental in ensuring the continuous innovation and development of the NEOS, thoroughly backed up by science, via academic published papers.

Running Cost Test

We have tested the NEOS multiple times against competitors on the market place with the University of Huddersfield.

The purpose of our tests was to demonstrate that when choosing heating, the effectiveness and the efficiency of the radiator has to be the key consideration to reduce running costs. This was one of the tests:

- Tested in controlled environment
- 24 hour period
- Thermal couples (which measure temperature) around the room
- Thermostat set to 20°C
- Lot 20 compliant thermostat used
- Analytics & graphs show electricity used in 24 hour period

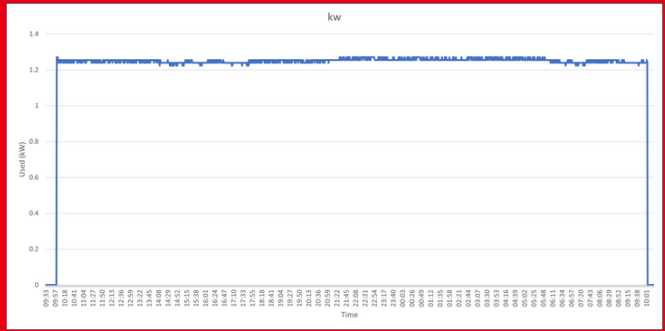
To conduct this experiment, we selected four competitive samples for comparison against the **Trust NEOS 1.2kW** electric radiator. The samples included:

- Leading German UK Electric Radiator (1.2kW)
- German Electric Radiator (1.1kW)
- Leading Oil Filled Panel Radiator (1kW)
- Electric Panel Convector Heater (1.2kW)

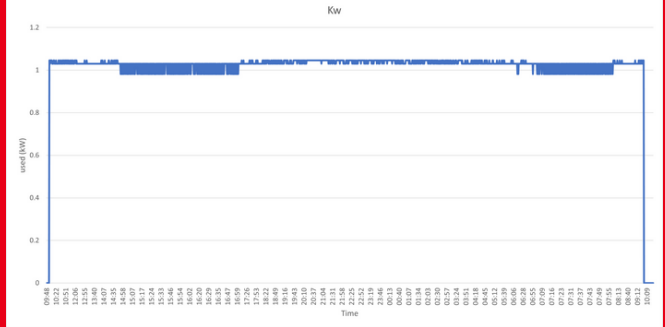
These radiators were installed in a test room (which is a regular room with an exterior & interior wall and two windows) to make sure that the room size and levels of insulation remained the same for all tests. We also monitored the thermal efficiency and effectiveness of each radiator and recorded the data for further analysis.



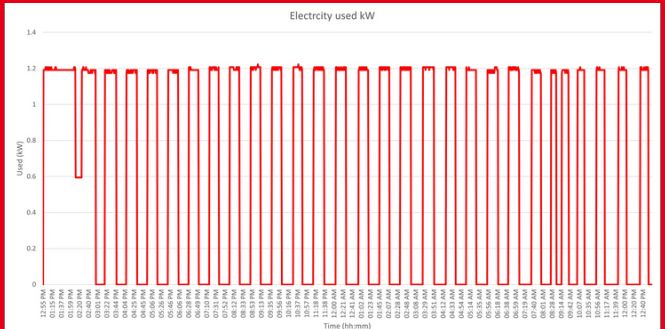
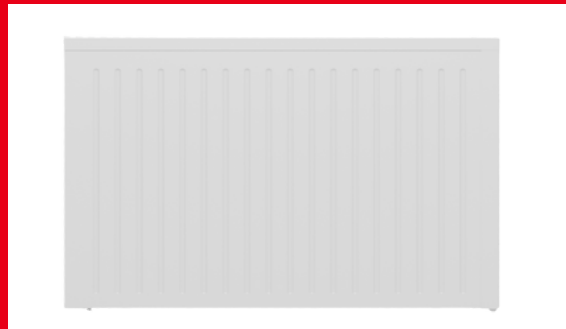
Test one - Electric Panel Convector Heater



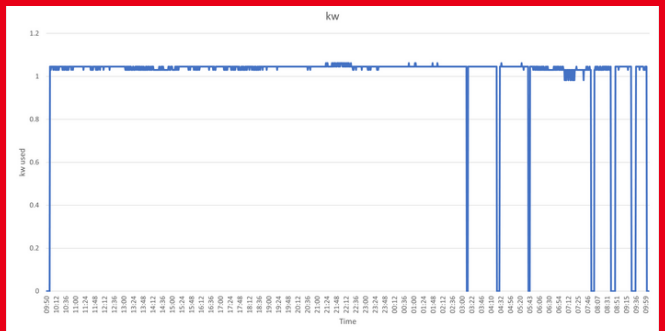
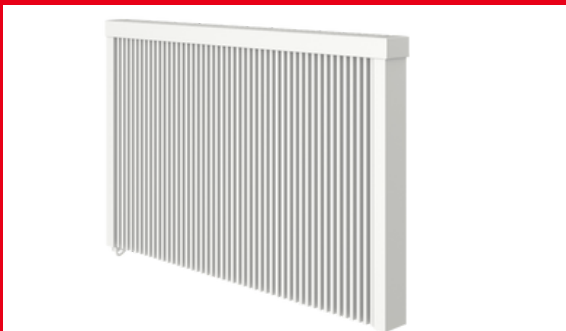
Test two - Leading Oil Filled Panel Radiator



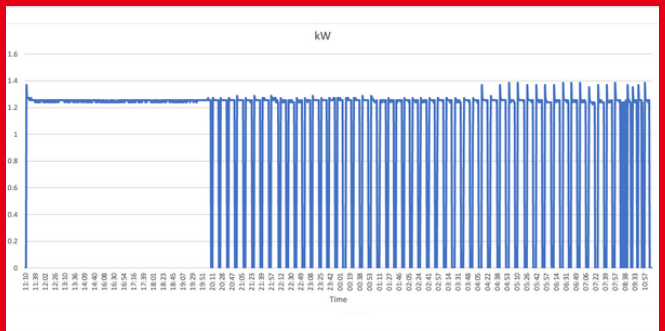
Test three - The NEOS electric radiator



Test four - German Electric Radiator



Test five - Leading German UK Clay Core Electric Radiator



What the graphs show



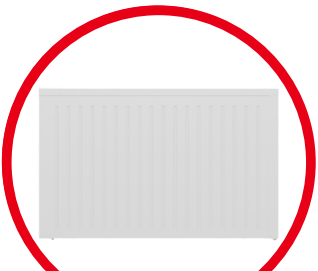
Panel Heater

- Took 1 hour 47 minutes to warm up
- Remained on for 100% of the time
- 24 hours of electricity = 24 hours of heat
- 30.09kWh total energy consumed
- Took 12 hours to reach highest temperature in the room



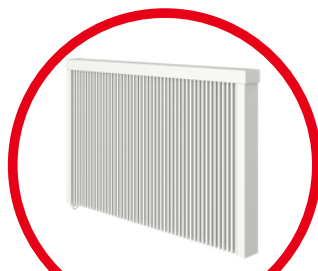
Oil Filled Radiator

- Took 34 minutes to warm up
- Remained on for 100% of the time
- 24 hours of electricity = 24 hours of heat
- 24.86kWh total energy consumed
- Took 12 hours to reach highest temperature in the room



NEOS Radiator

- Took 50 minutes to warm up
- Remained on for 42.8% of the time
- 10.28 hours of electricity = 24 hours of heat
- 12.20kWh total energy consumed
- Took 2 hours to reach highest temperature in the room



German Radiator

- Took 55 minutes to warm up
- Remained on for 97.8% of the time
- 23.28 hours of electricity = 24 hours of heat
- 24.42kWh total energy consumed
- Took 10 hours to reach highest temperature in the room



German UK Radiator

- Took 55 minutes to warm up
- Remained on for 82.5% of the time
- 20.03 hours of electricity = 24 hours of heat
- 24.86kWh total energy consumed
- Took 6 hours to reach highest temperature in the room

Translating into running costs...

Now, let's take this test data and put it into the running cost calculation we introduced you to earlier to give you the cost to run each radiator for 24 hours...

*electricity tarriff of 30p per kW per hour

Type of Radiator	kW energy consumed	cost per kW/h	24 Hour Running Cost
Panel Heater	30.09	30p	£9.02
Oil Filled Radiator	24.86	30p	£7.46
NEOS Electric Radiator	12.20	30p	£3.66
German Radiator	24.42	30p	£7.36
UK German Radiator	24.39	30p	£7.32

These running costs show that the NEOS electric radiator can save customers **up to 59.4%** on their heating bills, dependent on what they currently have installed within their property. Why? Design!

This is because of the way the NEOS electric radiator is designed:

- **Soapstone Core:** maintains heat temperatures with little electricity consumption.
- **Cool-wall technology:** forces the air normally lost to the back wall into the room.
- **Quadvex Convection:** doubles the convection heating process to get your room warmer, quicker.
- **Aluminium Frame:** which is 290% more conductive than mild steel - and better at dissipating the heat into your room.

Test Conclusions

Based on the testing and analysis, the NEOS radiator has been found to be the most energy-efficient and effective option between the market samples chosen.

Amongst the other leading brands tested, the NEOS consistently demonstrated faster warm-up times and more consistent temperature distribution across the room. This means that there will be no cold spots in the room, with a prompt warm-up time, all at the lowest running cost!

The NEOS is also incredibly energy-efficient, with the lowest running costs of any radiator tested. It can save up to 59.4% on heating bills, dependent on the current heating installed.

From these tests, it is evident that the unique and innovative technology in the NEOS electric radiator is what allows it to perform so differently compared to the other options available on the market.

**University of Huddersfield
Experimental Report**



**University of Huddersfield
White Paper**



**Read more detail in the
Running Cost Guide**





Whole life cost over 25 years

Radiator	Cost of buying	Annual Running Costs	Guarantee Period	Additional Replacement Costs (25 year period)	Total Cost (25 year period)
Panel Heater	£126	£366	2 years	£126 x 12 = £1512	£10778
Oil Heater	£249	£302	3 years	£249 x 8 = £1992	£9791
German Radiator	£1000	£294	10 years	£1000 x 2 = £2000	£10350
UK German Radiator	£1200	£296	25 years	£0	£8600
NEOS Electric Radiator	£694	£148	25 years	£0	£4394

Total average saving with 1 **NEOS radiator** over the 25 year period is **£5486!**

* please note this does not include any unplanned maintenance costs.

* please note this does not include additional thermostat savings.

* please note this is based on the University of Huddersfield test (and based on 972 hours of heating per year at 20 degrees.

* please note this is an estimate for one radiator and not guaranteed.

The NEOS keeps you in control

A variety of thermostats for a variety of needs - the power of the NEOS is in your hands for further savings...

1. ProtoStat

This integrated thermostat on the side of the NEOS makes it easy to control your heating, via larger buttons, along with a backlit display - made in Britain.

4. ProxyStat

The student-specific app thermostat uses proximity-based technology to reduce bills and save energy - perfect for commercial spaces.



3. App Control

Control your heating from your phone, whether you're at home, work or on holiday, with advanced programming settings.

2. Wireless Thermostat

You can zone your space, pick which rooms you want to control together or separately, using a handheld thermostat with advanced settings.

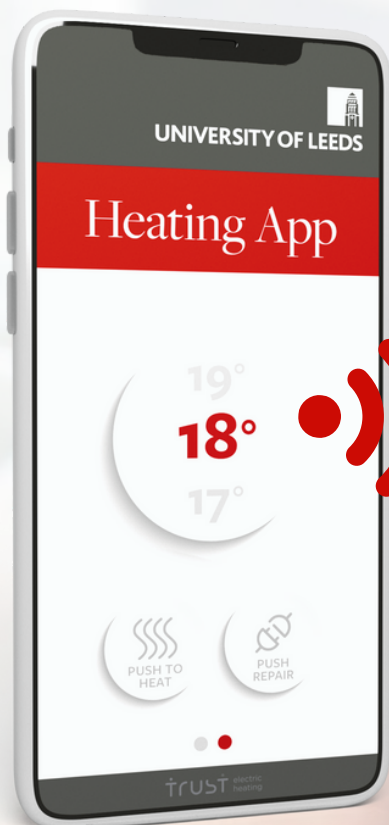
A thermostat perfect for the commercial market...

The ProxyStat Thermostat was designed specifically for student accommodation, but can be very useful for landlords and housing associations.

The sleek app-based thermostat relies on proximity based bluetooth technology to help reduce bills further and save energy.

It senses when you leave the building and adjusts the temperature accordingly to help save energy. It also detects when you arrive back - allowing you TOTAL control and no energy wastage. This ensures rooms that are empty aren't heated unnecessarily, paired with simple heating controls that everyone can use.

My Radiator Buddy Thermostat puts the power in your hands, and paired with the NEOS radiator, makes for a perfect heating solution, with low heating bills.



- ✓ Pair smartphone via QR code
- ✓ Proximity technology
- ✓ Up to 50% reductions in bills
*dependent on current heating
- ✓ Minimum energy wastage
- ✓ Tried & installed in some of the UK's Leading Red-Brick Universities



Introducing our

ZEBRA

Solution



because going off grid should be black & white...

We all know the struggle of trying to keep energy bills low (especially in the current climate!) without sacrificing comfort and controllability.

So, after years of research and testing, we have hand-picked three of the most innovative companies and products on the market to partner with the NEOS to give you a fully reliable and cost-effective system that protects you from energy price rises to heat your space and water.

**SCAN ME TO
FIND OUT MORE**



Your future, secure...



The UK's Most Awarded Electric Radiator

Why does it matter to you?

- ✓ Your guarantee is with a BRITISH company
- ✓ Checked by INDEPENDENT TRUSTED BODIES
- ✓ Highest standard of safety
- ✓ You can TRUST what we advise you
- ✓ Continuously innovating new products
- ✓ Supported by heating experts
- ✓ Guaranteed heat
- ✓ Backed by Which? Consumer Watchdog



Scan to see the Claims we Make



Next Steps

Are you ready for a more reliable, effective, progressive and modern heating system that you can TRUST?

If you're interested in finding out more about how you can make the switch to electric, want to install new electric radiators, or simply just want a quote for your commercial project...

Speak to Trust Electric Heating today!

☎ **0800 5999 109**

✉ **info@trustelectricheating.co.uk**

We offer professional advice to offer you a heating solution that will keep you warm - whatever your budget, size or scope.

Working in partnership with you, we strive to bring you a British heating system that not only meets your needs but exceeds your expectations.

Make your first step to staying warm for less, with the NEOS now.



Scan to Book a FREE Consultation



the neos range

Technical specifications

Product Model Number	N800, N1000, N1600, N2000, N2500, NJ/V1600, NJ/V2000, NJ/V2500
Colour	Any RAL colour of choice (+15%)
Finish	Standard radiators come in white gloss (RAL 9003)
Controls	Four different thermostat options. Electronic user interface with LCD display offering room temperature setting, 7-day programmer, installer settings, four pre-set timer profiles and Lot 20 compliant. <ol style="list-style-type: none"> 1. Protostat: integrated thermostat 2. Wireless Thermostat 3. Bluetooth controlled 4. App option available
Design	Smooth or Wave
Heat Output (kW)	0.8-2.5
Heat source	20mm soapstone core with tungsten element
Installation	Fixed to the wall via wall fixing brackets
Location of Heat Output	80% top, 15% front, 5% rear
Warranty/Guarantee	25-year guarantee for the radiator 5-year guarantee for the thermostat *dependent on choice of thermostat
Thermostat	Yes, Lot 20 compliant and digital
Height (mm)	390 - 1260
Depth (mm)	65
Width (mm)	440 - 1650
BEAB	Yes
CE	Yes
Number of energy cells	4 - 16
Construction	Aluminium & Soapstone
Cable Exit Point	Right or Left
Connection	Flex Twin, Earth, 1.5mm
Electric Supply	13 Amp 240V
Element type	Tungsten
Loading/Wattage (kW)	800 - 2500
Safety Cut Out	NC - 150° open, 130° reset
Construction	Aluminium, Zinc
Battery Back Up	Battery Cell, 12 month life

Outputs

Model No.	Input Rating +5%/-10%	Output Rating +5%/-10%
N800	800	800
N1000	1000	1000
N1600/NJ1600/NV1600	1600	1600
N2000/NJ2000/NV2000	2000	2000
N2500/NJ2500/NV2500	2500	2500



more
50%
affordable

100
day warmth

year
25
warranty



trust

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