



Inject-a-Cool Cooling Transfer Fluid

Reduce your cooling costs by up to 22%

- Tested in the UK
- Quick ROI
- Non-corrosive
- Easy installation
- Works with all chilled water systems

UK Distribution
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Why ordinary water wastes energy

Chilled water systems rely on water as the cooling medium, but water is not the most efficient conductor of thermal energy. We use it because it's cheap and abundant. Inject-a-Cool changes that equation.

How Inject-a-Cool fixes it

Inject-a-Cool cooling fluid enhances efficiency by transferring thermal energy significantly faster and more effectively, reducing overall system runtime without affecting the performance of the chilled water system.

As a result, less energy delivers equal cooling performance, leading to lower energy consumption and cost savings.



What that means for you



Reduced energy costs

Up to 22% reduction in your cooling costs.



Faster cool-down

Chiller reaches target temperature quicker.



Higher efficiency

Chiller runs more efficiently, improving COP.



Fewer run cycles

Equipment works less, lasts longer.



Immediate carbon cut

Every unused kWh saved = 0.18 kgCO₂.

Independently proven performance

- 14-site UK field trial: **average 18% energy reduction** (max 22%) at matched indoor temps.
- Laboratory corrosion testing: **no increase** on steel, copper or aluminium alloys.
- Thermal stability: active from -20°C to 120°C.

Real-world scenarios

These examples show how Inject-a-Cool delivers repeatable, verifiable savings across sectors:

Hospital campus: Multiple chillers serving wards and data rooms; energy cut by 16–20% year-on-year.

1970s office block: Fan-coil chilled water HVAC; saving 18% on electricity.

Data centre: Chilled water loop COP improved 10%, reducing electricity use by 15%.

Food-processing glycol loop: 25m³ chilled circuit; chiller load down 12%, boosting line throughput.

University district cooling: 3.5 GWh annual; demand electricity reduction 22%, equating to 650t CO₂ avoided.

Where it works

- Chilled water systems (domestic & commercial)
- Air-source & water-cooled chillers
- Air-handling / fan-coil units
- Process cooling & A/C circuits
- Industrial process loops
- Data centre cooling systems



ROI & TESTIMONIALS

Testimonials

"Inject-a-Cool cut our electricity bill by almost a fifth without touching the plant room."

Matt Bateman
Director of Cooling Contractors

"Installing Inject-a-Cool across our clients' estate generated measured savings of 19%."

Martin Watson
Chief Engineer, Facilities Management

"The properties that Inject-a-Cool consist of are excellent, non-hazardous whilst generating great performance."

David Grant
Chemist

Typical return on investment

Example site	Annual kWh saved	Cash saving*	Payback
500 m ² office	18,000	£4,500	14 months
50-bed hotel	45,000	£11,250	11 months
Data centre	343,250	£85,813	16 months
Hospital	874,880	£218,720	19 months
Factory	2,231,658	£557,915	17 months
Shopping centre	554,767	£138,692	9 months

* Based on £0.25/kWh electricity. Project costs include 30% uplift.

Frequently asked questions

Q. Does it replace my inhibitor?

No – it works alongside any BuildCert-approved inhibitor or glycol.

Q. Any downtime to fit?

None. Dose via a valve, dosing pot or pump adaptor while the system is running.

Q. Does Inject-a-Cool work in any chilled water system?

Yes, Inject-a-Cool is suitable for any wet system with water-to-air heat exchange. This includes systems with fan coil units, air handling units, chilled beams, and process cooling loops. It is compatible with all chiller types including scroll, screw, centrifugal, and absorption chillers.

Q. Should Inject-a-Cool be installed into a clean or dirty system?

Inject-a-Cool performs well in both clean and dirty systems. It works by increasing the thermal contact surface within the system.

Q. Should a corrosion inhibitor still be used?

Yes. While Inject-a-Cool provides some corrosion-inhibiting properties, it is not a replacement for certified inhibitors. Independent testing confirms that Inject-a-Cool is fully compatible with leading BuildCert-approved corrosion inhibitors.

Q. Annual testing and warranty

An annual maintenance test is required to ensure the performance of the additive. A 10% charge of the total is applied for this.

Q. How long does it last?

At least six years in a sealed system; top-up only if you drain down.

Q. Safe to handle?

Non-hazardous under CLP; standard PPE is fine.

Q. How much Inject-a-Cool do I need?

For help calculating your system's volume, please contact a member of the Inject-a-Cool team or use www.whatsthepayback.com to calculate your savings.

Q. How long does Inject-a-Cool last?

Inject-a-Cool contains thermally stable compounds designed to remain active in a closed-loop system (with no water loss) under typical chilled water system temperatures. Evidence supports a minimum projected lifespan of 6 years.

Q. What is the typical return on investment (ROI) for an Inject-a-Cool installation?

A typical Inject-a-Cool installation delivers a return on investment in just a few months, based on a conservative estimate of energy savings. Actual ROI will depend on system size, usage, and operational efficiency.

Q. What do I get for this?

We ensure the system performs to its maximum and carry out a top-up when required. If a full replacement of fluid is required at any point, Inject-a-Cool shall complete this at no cost to the customer.

Ready to start saving?

Get a free system survey and payback calculation for your chilled water system.

 **07480 651046**  **indre@inject-a-therm.co.uk**

