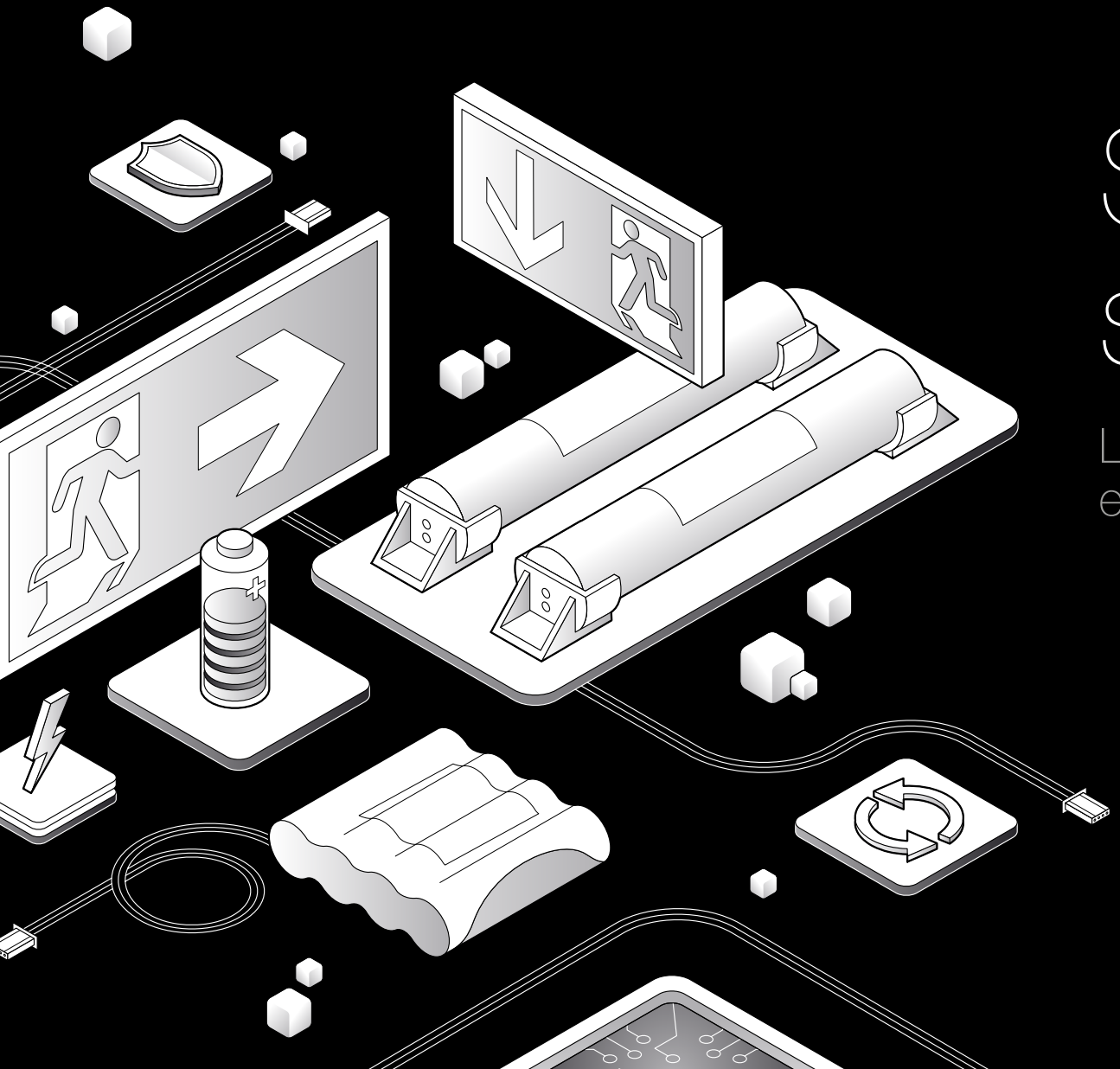
Whitecroft lighting

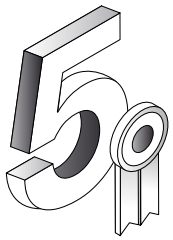


Safe & sustainable

LiFePO4: The best performing emergency light battery

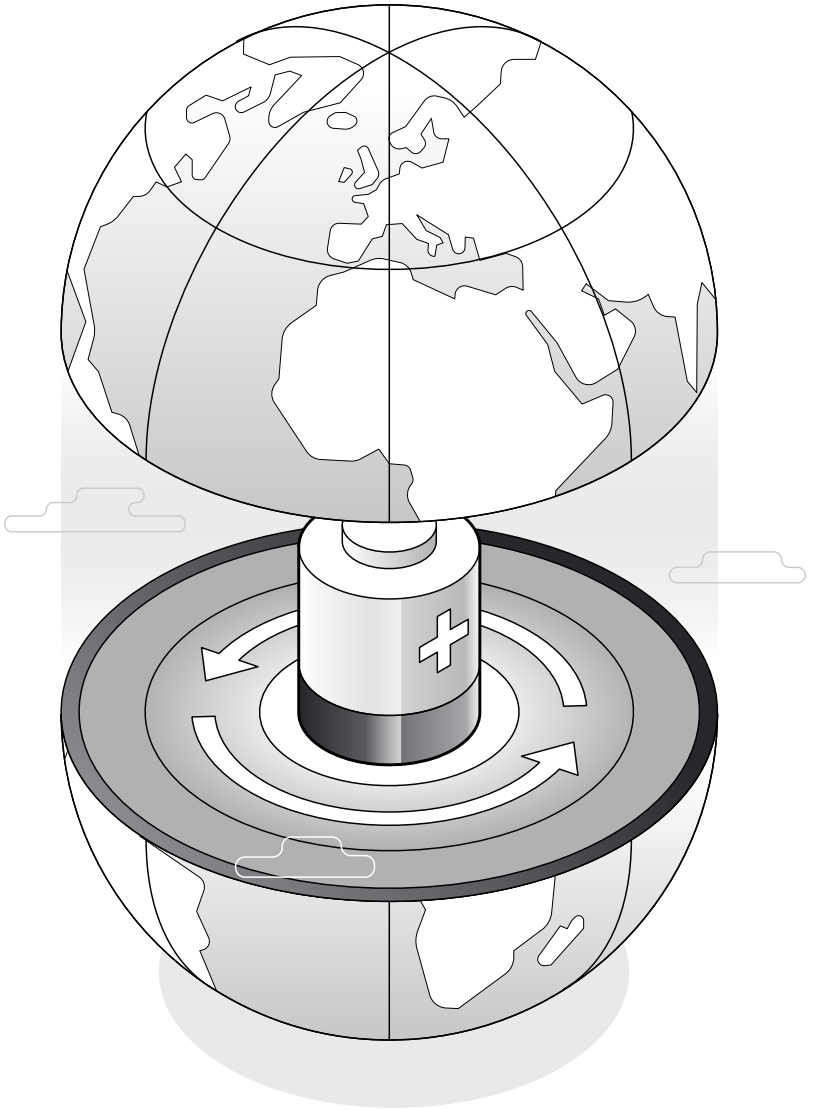
Less material impact
Less maintenance
Less energy
Same price

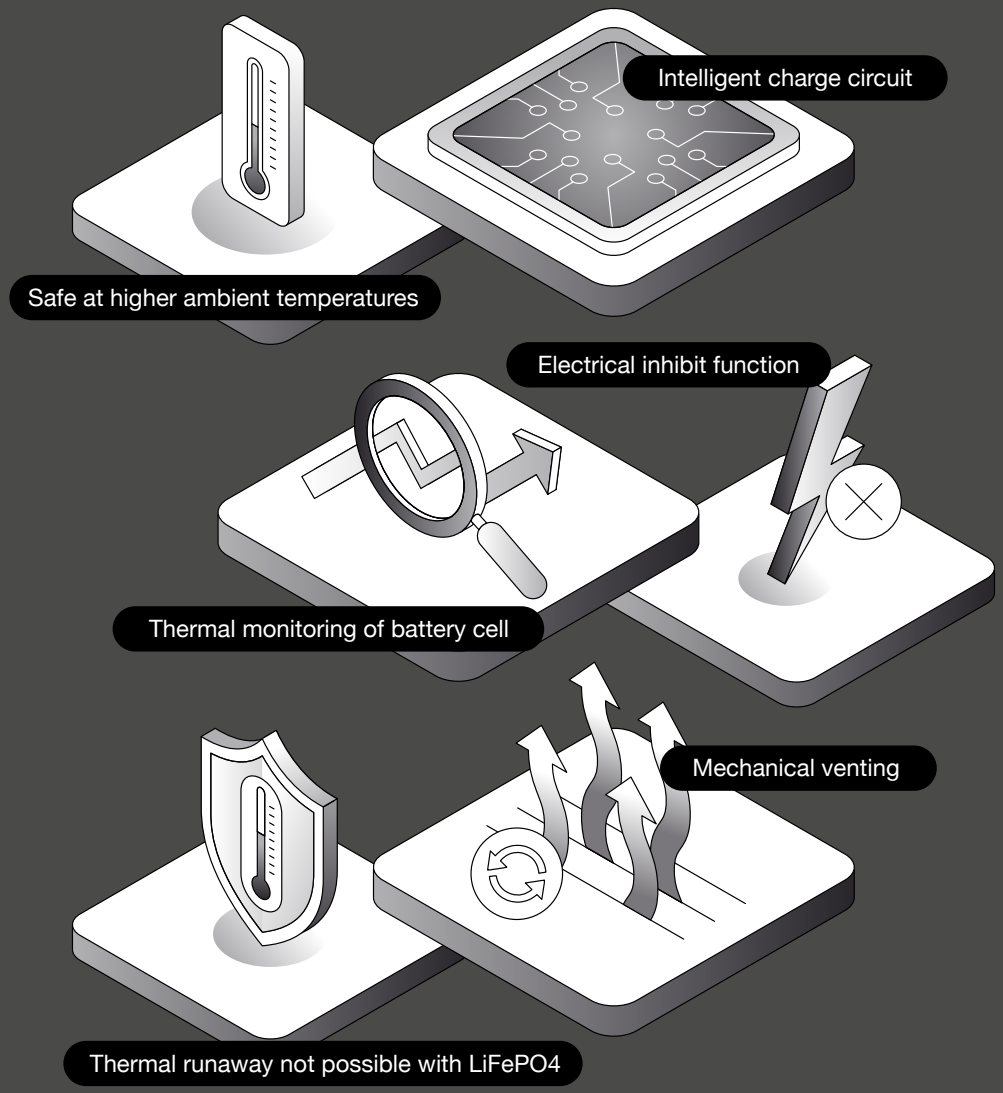
At Whitecroft, we're committed to building a sustainable future and supporting the transition to net-zero targets. It's why we're replacing all Nickel Cadmium (NiCd) and Nickel Metal Hydride (NiMH) batteries used in our standalone emergency and integrated emergency fittings with Lithium Iron Phosphate (LiFePO4) batteries.



5-year warranty

Our products combine this more robust, safe and sustainable alternative with a five year warranty, giving you extra confidence.





Gold standard safety performance

Designed for heat

Thanks to their unique chemical composition LiFePO4 batteries have excellent thermal and chemical stability compared to conventional lithium-ion batteries. This means the battery stays cool in higher temperature applications reducing risk of failure.

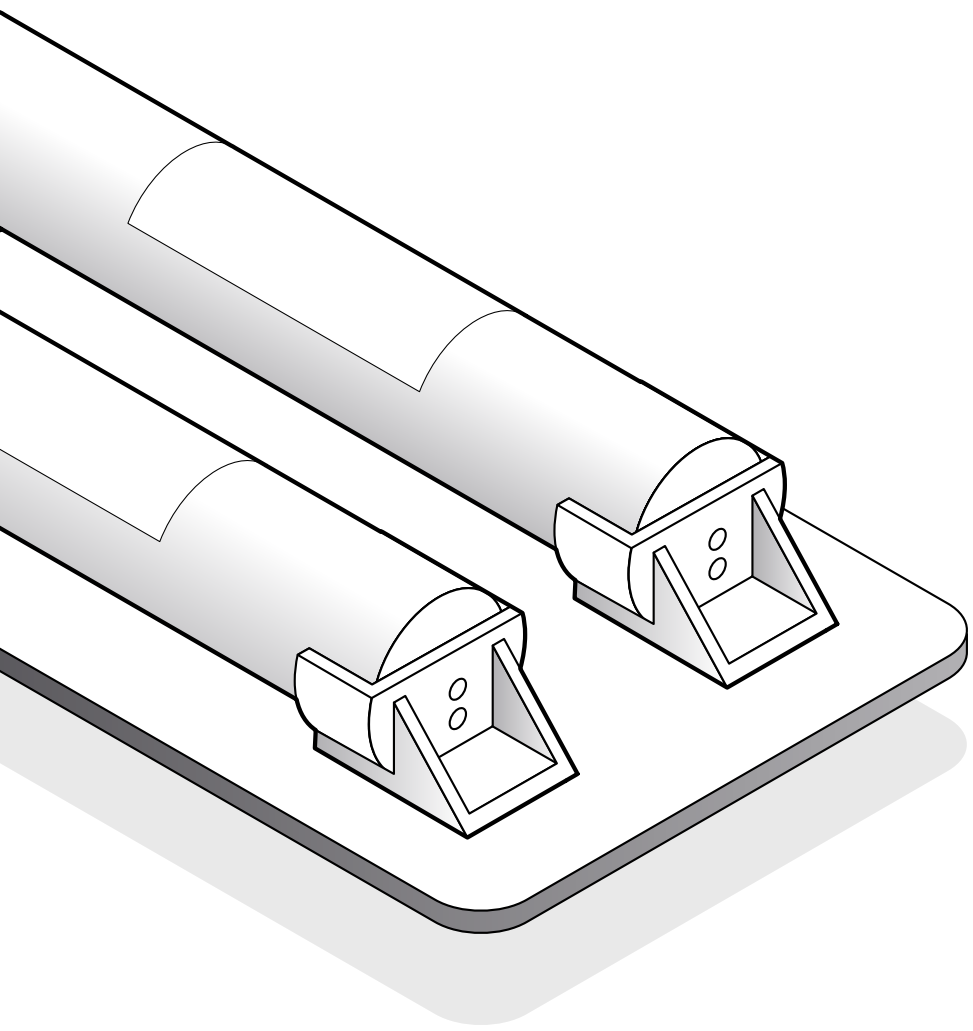
Mechanical ventilation

If the battery experiences any unexpected a build-up of heat or pressure, a vent is opened and the circuit automatically broken to stop further charging and allow the battery to cool.

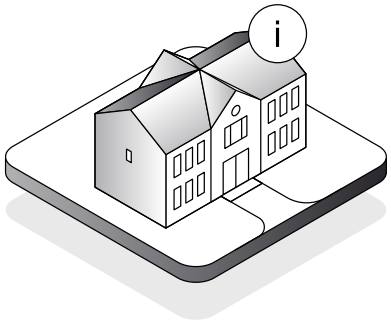
Built in battery management system

The LiFeGuard safety features ensure the battery stays within safe operational limits. If limits are breached the circuit is disconnected.

Intelligent charging, smaller bills



Nickel based batteries require constant current or pulse charging, whereas LiFePO4 batteries only charges when necessary, reducing the energy use of emergency lighting units by up to 45%*. LiFePO4 can also withstand more charge cycles than conventional batteries, extending battery life.



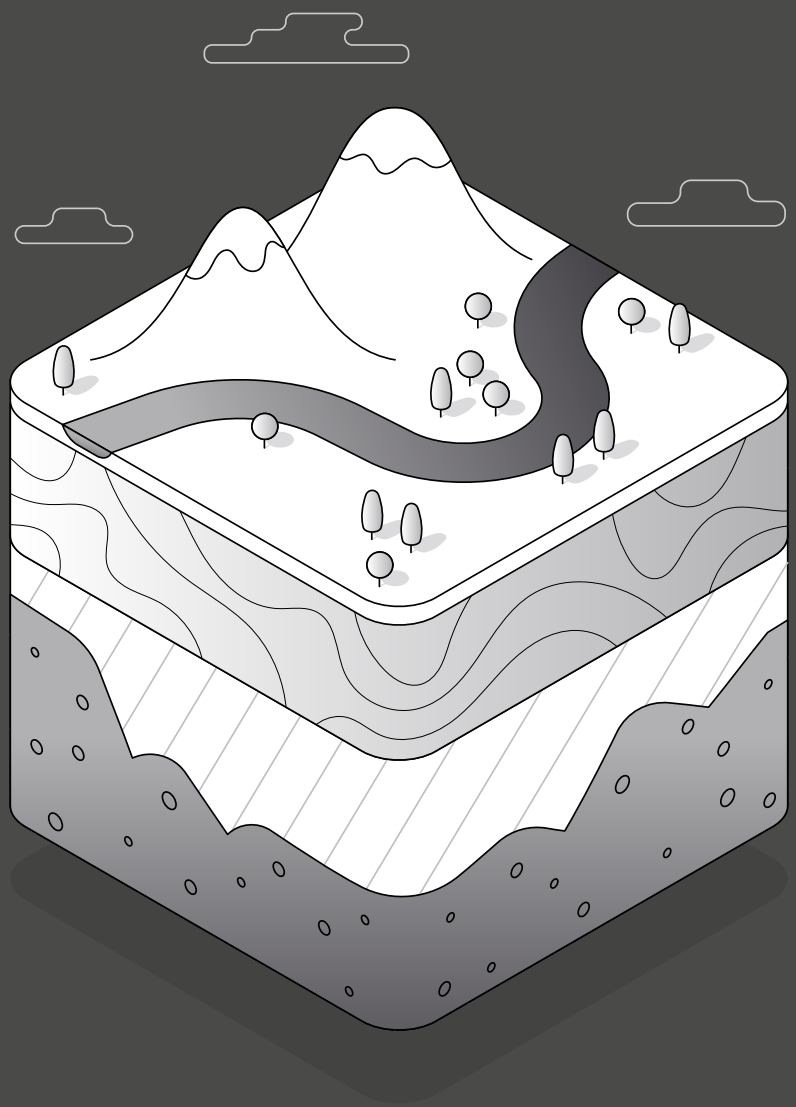
For a typical school, a move to LiFePO4 battery technology can result in a **10% annual saving** in energy for lighting.

Good to know
Other batteries contain hazardous substances such as Nickel and Cadmium, a substance banned in the EU. While emergency lighting is currently exempt from the ban, legislation is always changing. LiFePO4 batteries offer a future-proof solution.

Accepted in recycled waste

significantly fewer toxic substances

>5000 charge cycles
15x longer than Nickel based



Better for the planet. Better for you.

Longer life, fewer replacements

LiFePO4 batteries have a service life of at least 8 years – far longer than predecessors like NiCd. As wells as reducing unnecessary waste, it means maintenance is needed far less frequently.

Materials that don't cost the earth

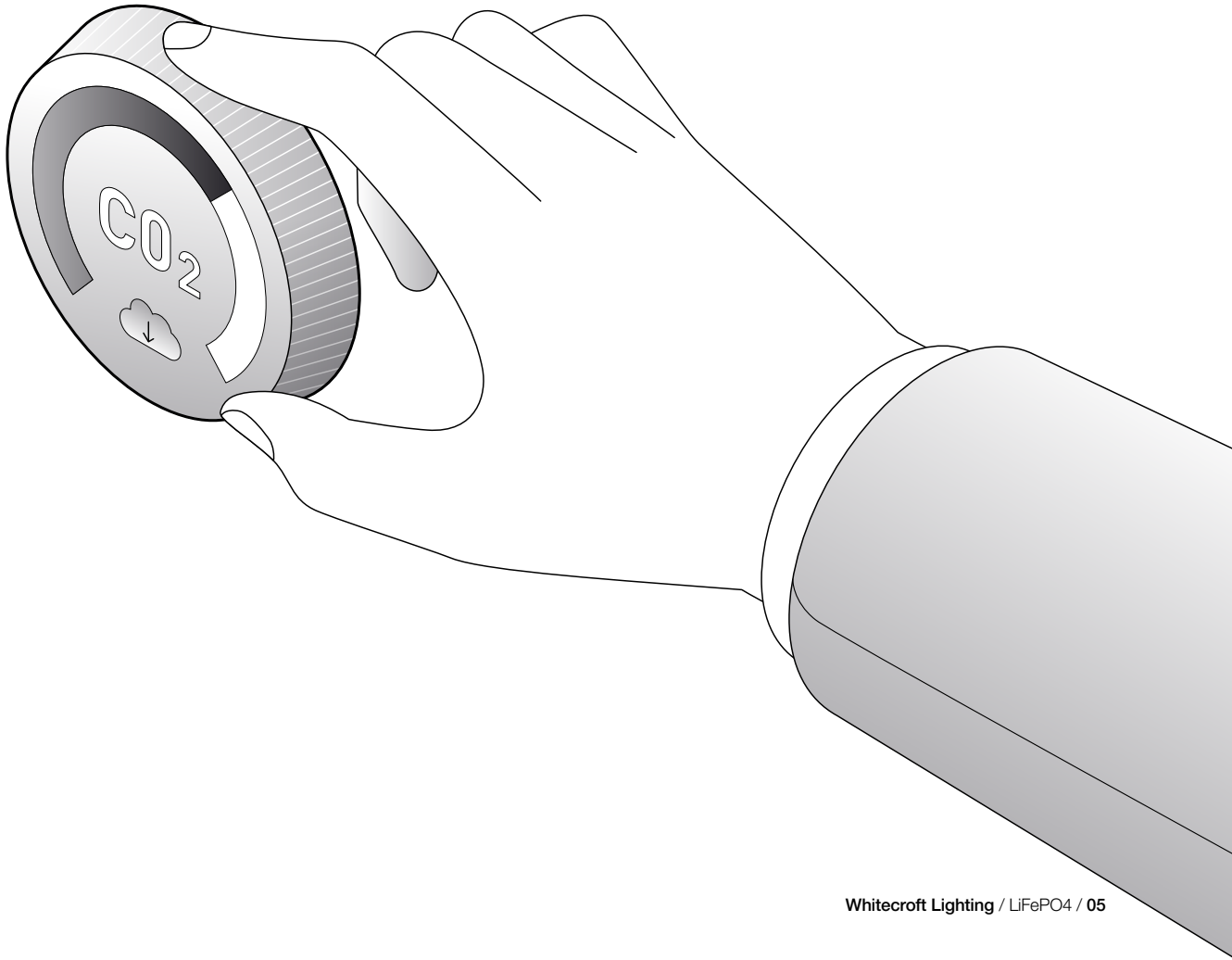
LiFePO4 batteries require materials abundantly in the Earth's surface – like iron – whereas batteries like Lithium Cobalt Oxide and Lithium Nickel Cobalt rely on precious and rare materials. In fact, LiFePO4 batteries are considered the greenest form of batteries.

Our carbon reduction, becomes **your** carbon reduction.

We calculated a 6% reduction in our Cradle-to-Gate carbon emissions through our switch to LiFeP04 batteries.

We've had our net zero targets approved by SBTi
Our upgrade to LiFePO4 batteries is just one step on our journey to Net Zero. We're proud to say that as part of the Fagerhult Group, our Net Zero strategy has been approved by SBTi.

SCIENCE BASED TARGETS
DRIVING AMBITIOUS CORPORATE CLIMATE ACTION



Whitecroft Lighting

A leading light in sustainability

In recent years, Whitecroft Lighting has been at the forefront of sustainability and circularity in UK commercial lighting, leading the market in the development of products that minimise the use of material and promote reusability through replaceable modular hardware.

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