

Greenlinx: The All-in-One Energy Management Platform

Intelligent Monitoring for Solar, Battery Storage, EV charger & Heat Pump



Leading Renewable Energy Distributor

Based in West Yorkshire, Infinity Innovations is a dynamic company at the forefront of the renewable energy and technology sectors, dedicated to empowering both the residential and commercial sectors with advanced smart energy solutions.

Our comprehensive product range includes inverters, battery storage systems, EV chargers and heat pumps, all designed to meet the growing demand for sustainable energy.

At Infinity Innovations, we take pride in delivering cutting-edge solutions that not only enhance energy efficiency but also foster a more sustainable future.

Introducing Greenlinx: The All-in-One Energy Management Platform

Driven by continuous research and development, we are proud to present Greenlinx - a UK-developed, AI-enabled **energy management platform** which gives installers full visibility and control over the entire energy ecosystem, including solar panels, inverter, batteries, EV charger and heat pump. It cuts callouts, speeds up diagnostics, and lets you adjust system settings remotely so faults don't turn into site visits.

Installer Tools Overview:

- See live system data: battery status, solar generation, device behaviour, alarms and performance trends.
- Spot faults early with instant alerts and clear cause analysis.
- Make remote adjustments to key parameters, saving on-site time.
- Reduce support overhead as your install base grows, without sacrificing service.
- Add new HANCHU or Harnitek devices to the same account as your customers expand their systems.

Greenlinx evolves continuously, improving diagnostics, monitoring and support tools so you can run installs with fewer headaches and faster resolutions.

End-user Controls Overview:

- Monitor solar, battery and heating systems in real time, with remote adjustment of supported battery and heat pump parameters.
- Lower bills by automatically shifting to off-peak charging when available.
- Improve efficiency with intelligent energy flow between solar, storage and heating.
- Stay protected with safety alerts and system health checks built into the app.



Proudly developed in the UK

Fully Integrated with:
HANCHU ESS
HARNITEK

Greenlinx Product Integration

Solar Panels:

With the Greenlinx app, track your solar energy in real time and use the Shadow Scan feature to maximise output by keeping non-shaded panels fully operational.



Harnitek Heat Pump:

Monitor 46 key performance parameters and remotely commission your Harnitek Heat Pump directly from the Greenlinx app for ultimate efficiency and control.

HANCHU EV Charger:

Schedule and optimise your electric vehicle charging effortlessly through the Greenlinx app, using solar energy, tariffs, and personal preferences.

HANCHU Battery Storage:

The Greenlinx app gives you complete control over your battery storage system with Smart Monitoring, ensuring safe, efficient performance and real-time insights.



Introducing HANCHU ESS: The Greenlinx-Compatible Battery Storage System

Greenlinx is designed specifically to work with HANCHU ESS battery storage, compatible across single-phase, three-phase and commercial & industrial systems.

Key Features

- 12-Year Warranty across battery & inverter range
- UK-Based Technical Support
- Training & Onboarding Provided
- National RMA Service



Our Trading Partnership Booklet gives installers key info on HANCHU ESS storage solutions - and how they help deliver projects for the UK's evolving energy landscape.

[Learn more](#)

HANCHU ESS specialises in advanced energy management solutions designed with longevity in mind - delivering quality, reliability and performance, backed by a 12-year warranty and supported by our UK-based technical team.

Our systems combine top-tier engineering with affordability to help installers like you grow your business while delivering smart, modular energy storage your clients will actually value.

They also include innovative features such as Shadow Scan, advanced weather compensation and intelligent AI-optimisation tools that maximise system efficiency in real-world conditions.



Introducing Harnitek: The Greenlinx-Compatible Heating Solution

Harnitek heat pumps integrate seamlessly with the Greenlinx platform, giving installers a unified control system across domestic, commercial and industrial projects.

ECO4-ready, MCS certified and A+++ efficient, Harnitek heat pumps are easy to install, smart-home compatible, and backed by UK-based training and support.

Tested to TÜV SÜD standards and high-scoring on SAP assessments, they give installers a system that's proven, compliant and ready for any project.



Key Features:

*Energy Efficient	*Quiet Operation	*Online Monitoring	*Hot Water Storage
High energy efficiency and achieving A+++ energy efficiency under EU regulations	Super low noise, sound pressure level only 38dB(A) at 2.1 meters	With WiFi module and APP control	7 day programmable domestic hot water storage
*Heating curve	*Emergency operation	*Flexible installation Options	Lightweight
Intelligently adjust outlet water temperature based on ambient temperature automatically	Emergency backup built in	Pre plumbed controller for fast and flexible installation	Lightweight fan units allow for safe wall-mounted installation and easy manual handling on site.



Power XR Heat Pump
30kW / 45kW / 90kW Units

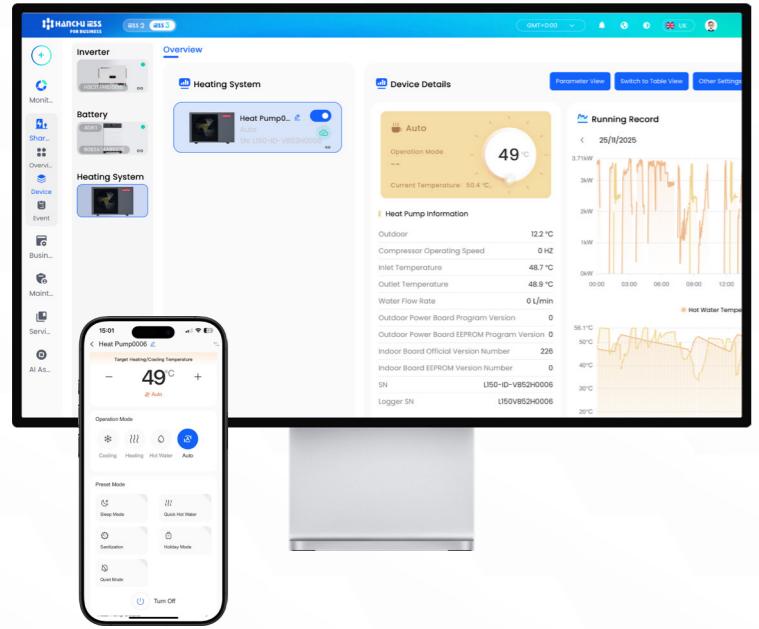
***Mono Package Heat Pumps**
6kW / 9kW / 12kW Units

***Combi Package Heat Pumps**
6kW / 9kW / 12kW Units

Greenlinx: Advanced Heat Pump Monitoring

Harnitek heat pumps work with the Greenlinx AI platform to monitor multiple performance parameters, including energy usage.

The platform enables complete system optimisation, supports efficiency and comfort, and uses advanced analytics to detect anomalies, provide fault diagnosis, and facilitate predictive maintenance for reliable, long-term heat pump operation.



Real-Time Heat Pump Performance Overview

The Harnitek monitoring page offers an in-depth, real-time view of heat pump operation, designed for clarity and control. It shows current and target temperatures for both heating and hot water, alongside flow and return temperatures directly from the heat pump, helping users assess system performance at a glance.

A detailed energy graph tracks usage for domestic hot water (DHW) and heating, highlighting consumption patterns over time. The page also indicates the current demand mode of the heat pump and displays compressor speed, allowing users to understand system load, efficiency, and responsiveness.

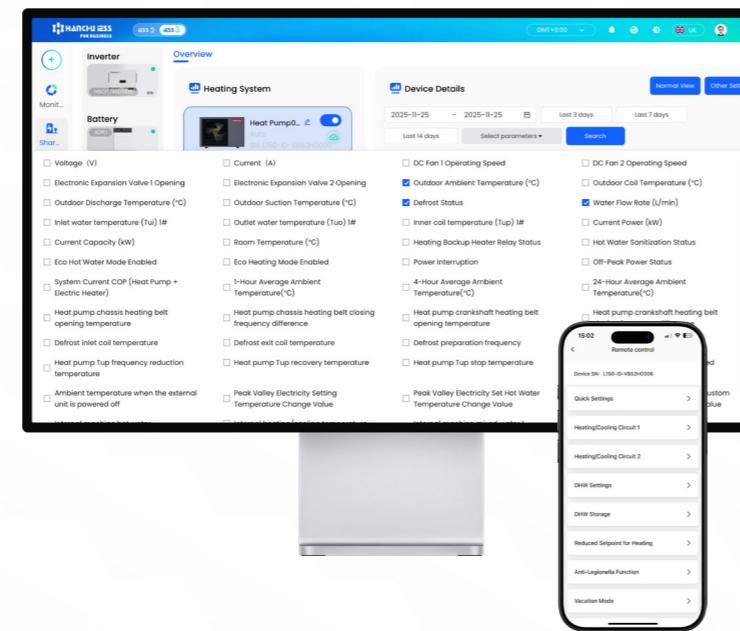
This combination of real-time data, historical trends, and operational indicators supports informed decisions, proactive management, and optimized heat pump performance.

Installer-Level Diagnostics & System Insights

The Harnitek monitoring system tracks 46 critical parameters, offering installers an in-depth, real-time view of the heat pump's configuration, performance, and operational efficiency. It provides detailed insights into energy usage, refrigerant pressures, flow and return temperatures for both the heating circuit and domestic hot water, compressor activity, external heating control demand, and active demand modes.

For installers, this level of visibility is invaluable. They can quickly assess whether the system is operating efficiently, identify potential issues before they become faults, and understand how the customer is using the heat pump. This allows for precise tuning of system settings, improved commissioning, faster troubleshooting, and informed recommendations for optimal usage.

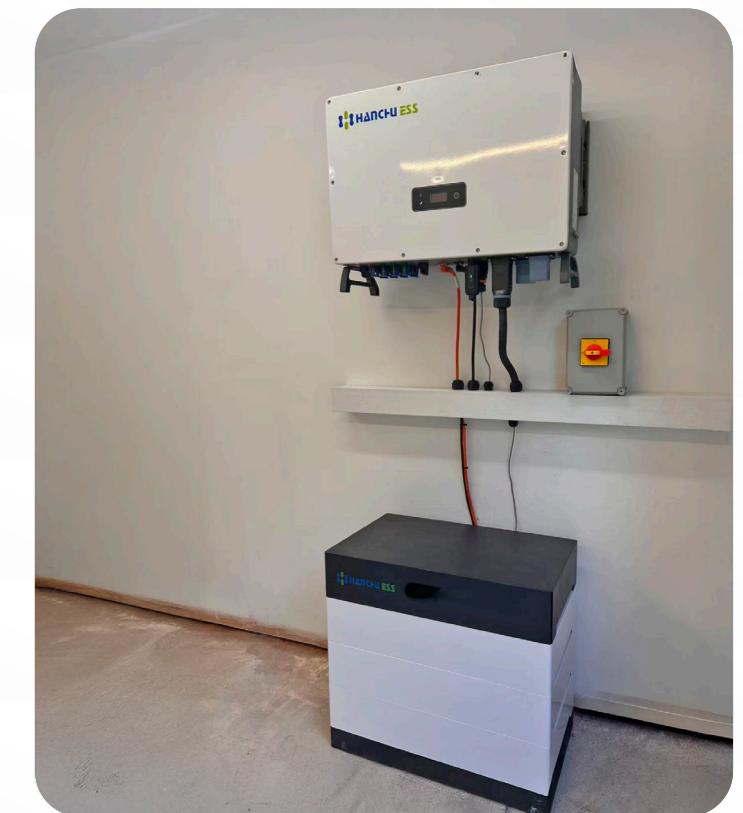
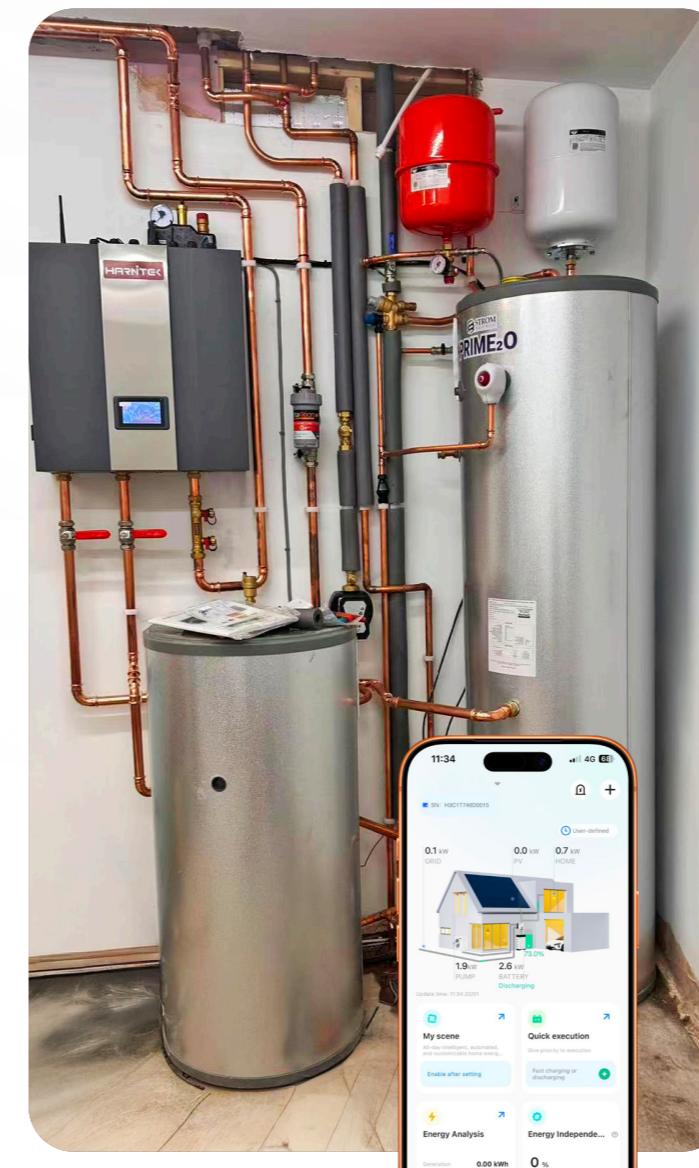
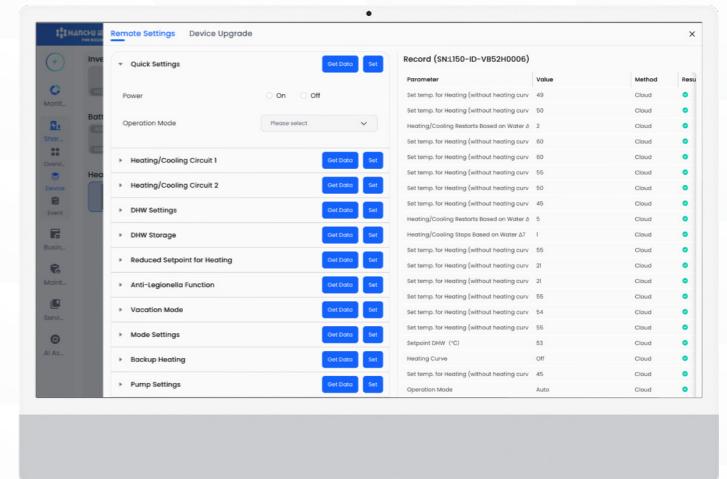
By having such comprehensive data at their fingertips, installers can ensure the heat pump delivers reliable, comfortable performance and maintain long-term system health, all while minimizing unnecessary service visits and interventions.



Free Remote Heat Pump Commissioning Service

Infinity Innovations provides free remote commissioning, made possible by the in-depth control and monitoring capabilities of the Harnitek platform.

This allows seamless setup and configuration of heat pump systems without on-site visits, ensuring fast, efficient support while reducing downtime and travel costs. Once connected to the online monitoring platform, our expert engineers guide installers remotely, guaranteeing optimal performance, precise configuration, and reliable, trouble-free operation from day one.



Greenlinx In Action

Managed through the Greenlinx app, this high-capacity system is monitored, controlled and optimised as a single platform. A 12kW Harnitek mono heat pump, three 9.4kWh HANCHU HV batteries and a 25kW three-phase C&I hybrid inverter supply the main home and renovated coach house, which utilise underfloor heating, traditional steel radiators and a 250L tank. Greenlinx provides real-time monitoring, remote diagnostics and intelligent energy optimisation, working alongside Octopus Cosy to shift charging to off-peak periods and maximise battery usage across both properties.



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