superheat™

Superheat H1
Introduction

Superheat™

This handbook provides a thorough introduction to **Superheat H1**, the world's first water heater designed to capture wasted energy and convert it into passive income.

Within these pages, you will discover a detailed understanding of Superheat H1's operation, **the core design and engineering principles** that drive its innovation, and how it can deliver long-term value to both your personal and business endeavors.

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Superheat™ H1

The world’s first water heater that **converts excess computing heat into a consistent financial return.**

Superheat revolutionizes the electric water heater by replacing its traditional resistive heating element **with a powerful processor**. While both convert electricity into heat, the processor also performs valuable computations, delivering hot water with the same efficiency as conventional heaters but without additional energy costs.

What was once “wasted” heat from computation is now captured and reused to produce hot water, transforming an overlooked byproduct into a valuable daily resource. This breakthrough has the potential to reshape how we think about energy use—making our living spaces more efficient, more connected, and ultimately more supportive of human life.

Imagine the next generation of water heaters -

Earn as You Go.

- Heat your water and earn—no extra action or learning required.
- Intelligent controls generate earnings during daily use, cutting monthly utility costs by up to 80%.

Uncompromised Heating Excellence.

- Advanced chip-powered heat exchange delivers consistent, superior heating performance.
- Reliable and efficient, it effortlessly meets your household's daily hot water needs.

Smart Setup, Smarter Control.

- Installs easily with a familiar piping layout—just connect, plug in, and go.
- Manage your device and track earnings anytime with our intuitive platform.

Unlock Hidden Energy. Maximize Efficiency.

- Captures and puts untapped heat to work, turning wasted energy into valuable resources.
- Designed for efficient energy use and seamless upgrades—so your system always stays ahead.

Key Benefits of Superheat™ H1

$1000 per year

Earn up to $1,000 annually in passive income—just by using Superheat™ H1.

24 gal per hour

Cut your utility bills by up to 80% with earned Bitcoin offsetting energy costs.

80% savings

Quickly heats water—24 gallons per hour, from 20°C to 60°C in under 2.5 hours.

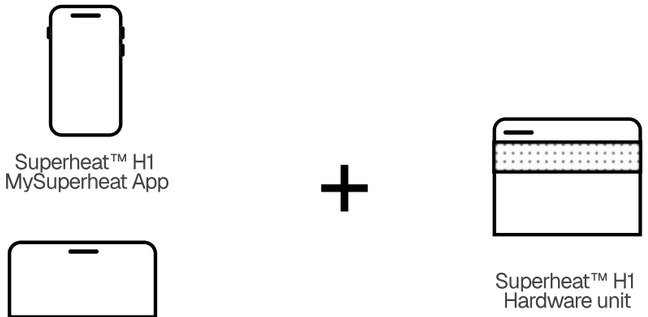
Location	Savings compared to electric water heaters	Earnings per year
US/Washington	58.74% per kWh	564k SATS / $573.52
US/Alabama	44.96% per kWh	564k SATS / $573.52
US/North Dakota	66.96% per kWh	564k SATS / $573.52
US/Texas	48.49% per kWh	564k SATS / $573.52
Canada/Quebec	81.22% per kWh	589k SATS / CAD $808.66
Canada/Manitoba	72.73% per kWh	589k SATS / CAD $808.66
EU/Netherlands	27.53% per kWh	577k SATS / €498.96
EU/Poland	35.08% per kWh	577k SATS / €498.26

Superheat™ H1 Energy Savings Opportunities

*Bitcoin and electricity prices are based on data from November 5, 2025. Actual earnings and energy savings may vary depending on future price fluctuations. For the full chart and updated information, please visit www.superheat.xyz.

The Complete Ecosystem.

Superheat™ H1 Solution Package



Software

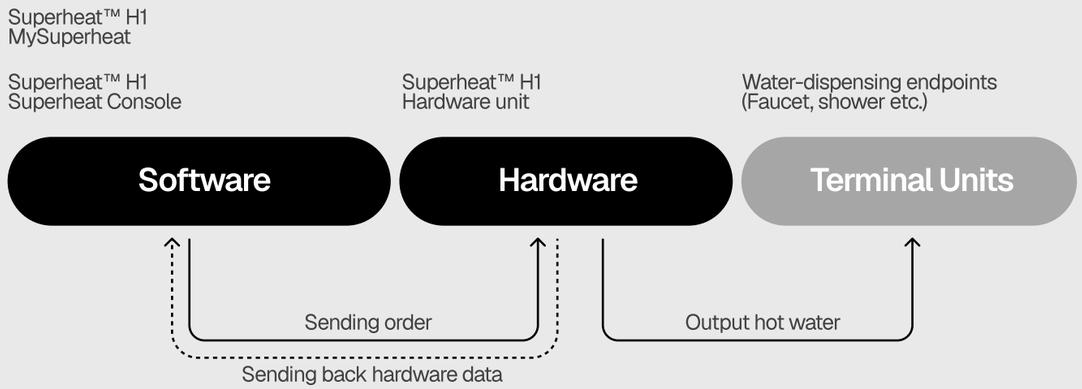
Effortlessly monitor and control your Superheat H1. Track energy savings, manage crypto earnings, and withdraw passive income—all in one place.

Hardware

Easy to install and use, this unit delivers reliable hot water daily. Everything is managed seamlessly through the software platform.

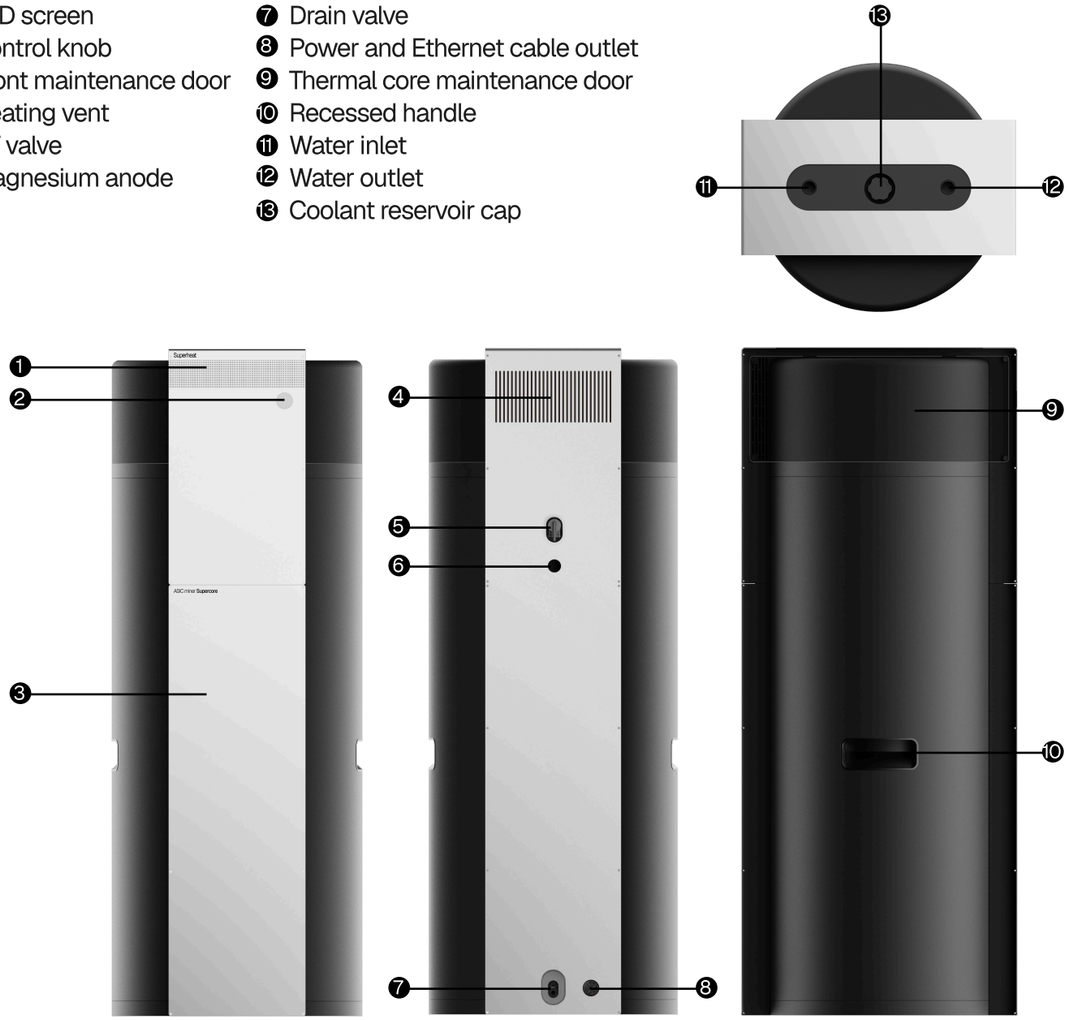
Superheat™ H1: A Product–Service System

How the software & hardware work together seamlessly?



This chart illustrates a typical operating mode of Superheat™ H1 in a residential environment.

❶ LED screen
❷ Control knob
❸ Front maintenance door
❹ Heating vent
❺ PT valve
❻ Magnesium anode
❼ Drain valve
❽ Power and Ethernet cable outlet
❾ Thermal core maintenance door
❿ Recessed handle
⓫ Water inlet
⓬ Water outlet
⓭ Coolant reservoir cap

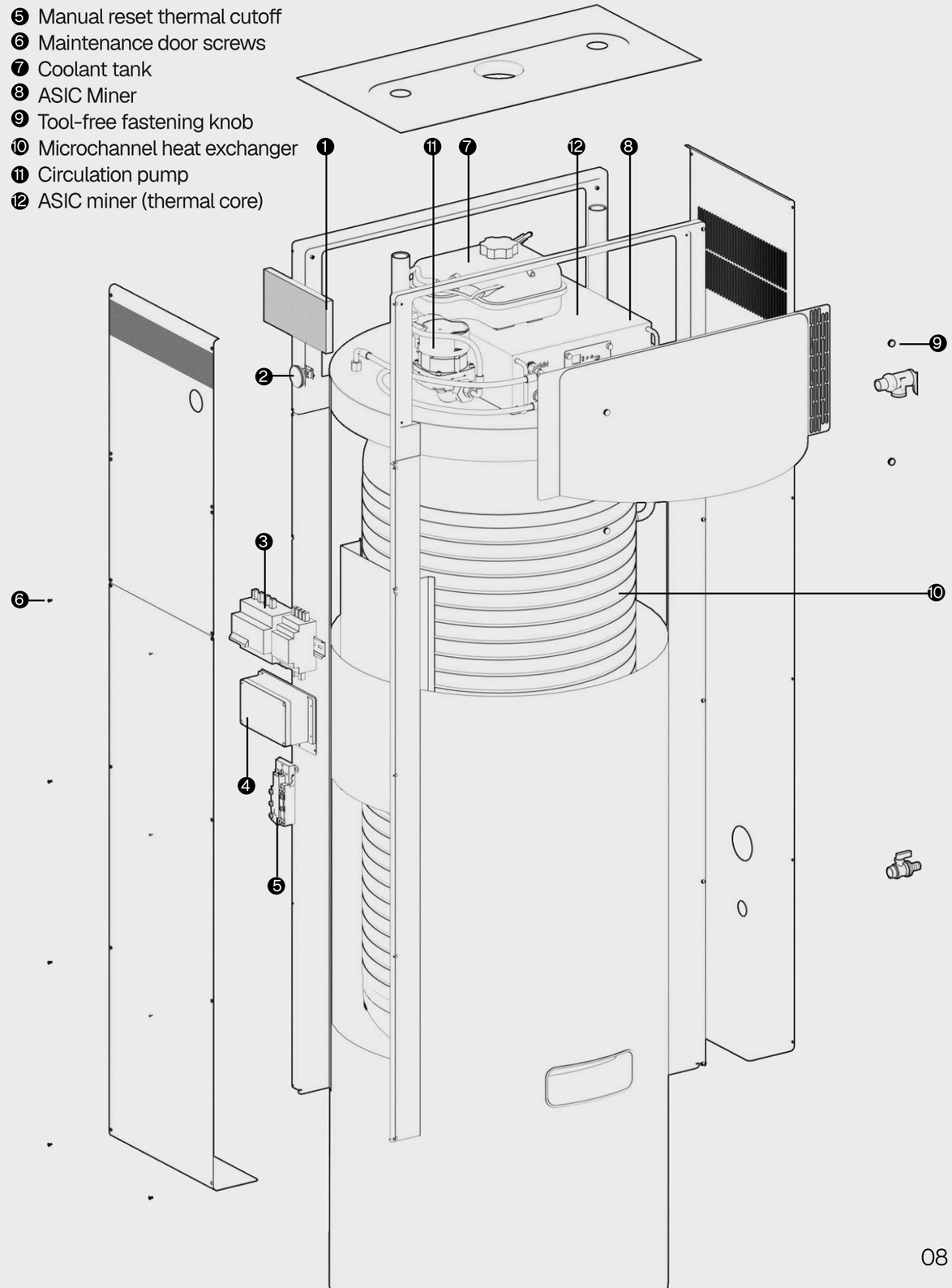


Product Spec

Model	Superheat H1
Capacity	50 gallons
Power	3.3kW
Voltage	240V
Recovery Rate	24 gal/hour
Inlet/Outlet Connection	¾" NPT*
Working Pressure	0.1 - 0.8 Mpa
Max. Water Temperature	60°C/140°F
Dimension	651 x 586 x 1572 mm
Weight	65 kg
Hash Rate	120TH/s
Connectivity Type	Wi-Fi/Ethernet
Control Method	Web management platform / Mobile App
Upgradability	ASIC miner upgradable
Material	Aluminum/Stainless steel/PVC/ABS
CMF Version	

*All specifications and features are preliminary and may be revised in the final production version.
*The water heater inlet/outlet is ¾" NPT. If installing in regions where plumbing connections use a different standard (e.g., BSP in Hong Kong or Europe), a compatible thread adapter is required.

❶ LED component
❷ Knob component
❸ Circuit breaker
❹ Control board
❺ Manual reset thermal cutoff
❻ Maintenance door screws
❼ Coolant tank
❽ ASIC Miner
❾ Tool-free fastening knob
❿ Microchannel heat exchanger
⓫ Circulation pump
⓬ ASIC miner (thermal core)



Superheat H1

Superheat H1C

A Perfect Fit for Every Use Case.

Choose the Homeowner Model for simple, efficient hot water and easy personal management, or the Commercial Model for scalable installation, centralized control, and advanced financial tools, each with a tailored software platform.

Consumer and Business Versions

Superheat H1 (ToC)

Model	Superheat H1
Capacity	50 gallons
Power	3.3 kW
Voltage	240V
Recovery Rate	24 gal/hour
Inlet/Outlet Connection	¾" NPT*
Working Pressure	0.1 - 0.8 Mpa
Max. Water Temperature	60°C/140°F
Dimension	651 x 586 x 1572 mm
Weight	65 kg
Hash Rate	120TH/s
Connectivity Type	**Wi-Fi/Ethernet**
Control Method	**Mobile App & Physical Knob**
Upgradability	ASIC miner upgradable
Screen	✓
Material	Aluminum/Stainless steel/PVC/ABS
CMF Version	

Superheat H1C (ToB)

Model	Superheat H1C
Capacity	50 gallons
Power	3.3 kW
Voltage	240V
Recovery Rate	24 gal/hour
Inlet/Outlet Connection	¾" NPT*
Working Pressure	0.1 - 0.8 Mpa
Max. Water Temperature	60°C/140°F
Dimension	651 x 586 x 1572 mm
Weight	65 kg
Hash Rate	120TH/s
Connectivity Type	**Ethernet**
Control Method	**Web Management Platform**
Upgradability	ASIC miner upgradable
Screen	×
Material	Aluminum/Stainless steel/PVC/ABS
CMF Version	

Effortless Maintenance —Upgrading Your Thermal Core Made Simple.

Keeping your ASIC miner running efficiently is easy with our intuitive maintenance process. The thermal core upgrade features a quick-access design:

❶
Remove the tool-free fastening knobs x4 to detach the thermal core maintenance door.

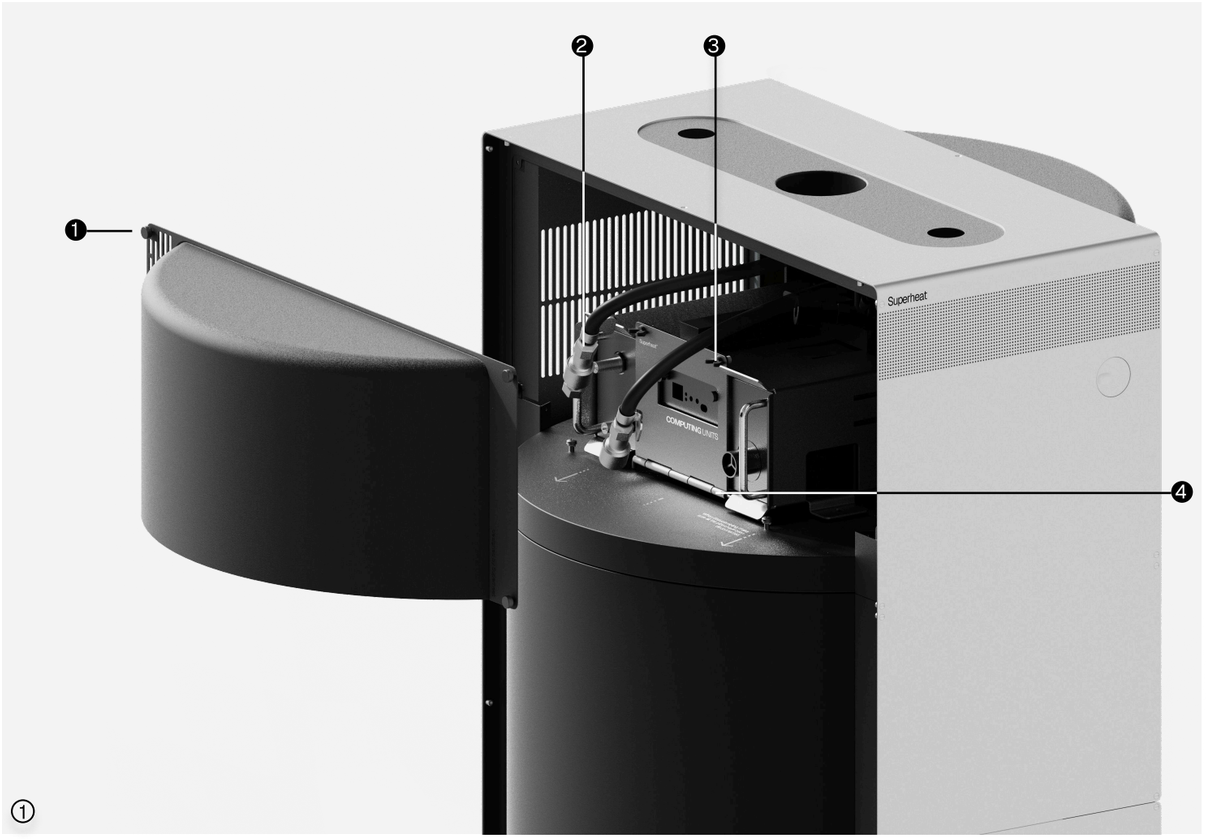
❷
Unplug coolant pipes and cables.

❸
Loosen the position-fixing screws x2 securing the miner.

❹
Open the front fixing panel.

❺
Slide the miner out—no fuss, no complicated steps.

Modular Thermal Core Design



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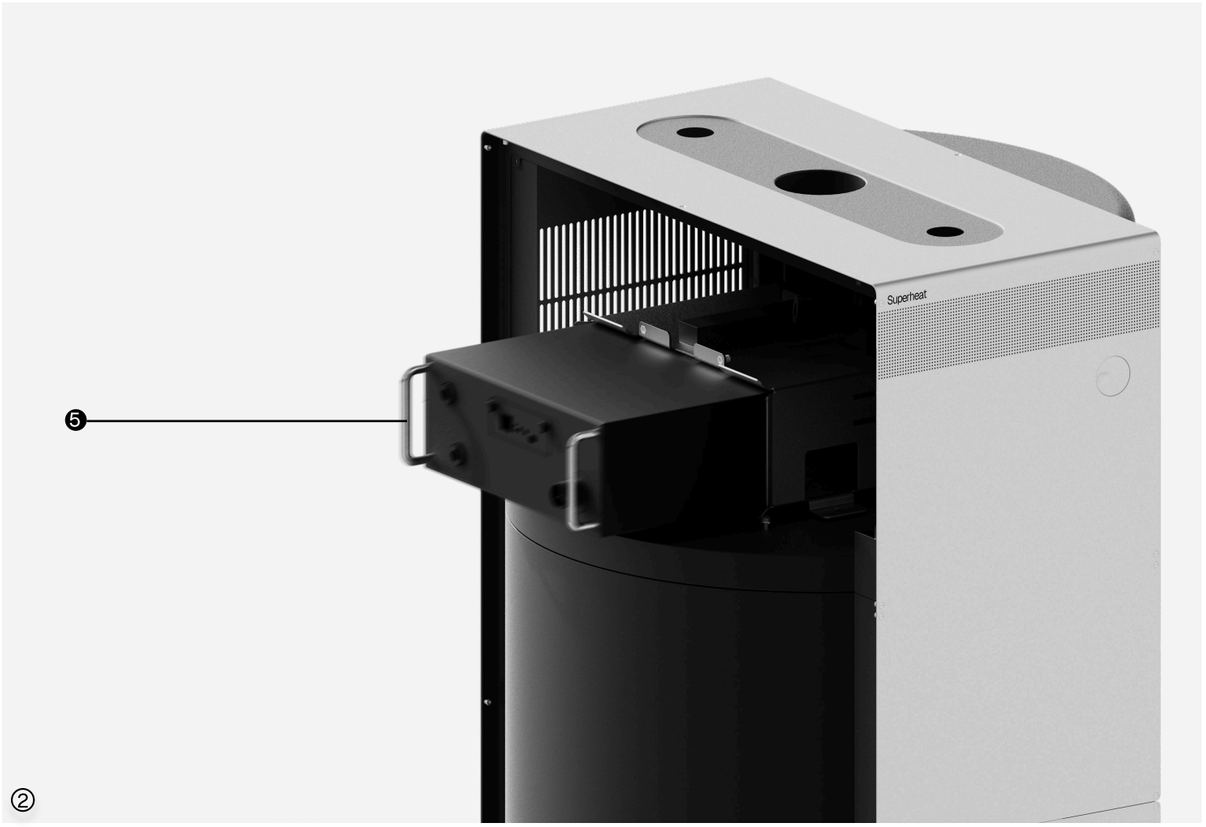

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MySuperheat App at a Glance.

The Superheat App puts your heater, power usage, and earnings all in one place. Get instant control, clear energy insights, and transparent rewards, making every moment of heating smarter and measurable.

Track real earnings.

Monitor mining and rewards as they happen, turning virtual gains into real value.

Hassle-free cash out.

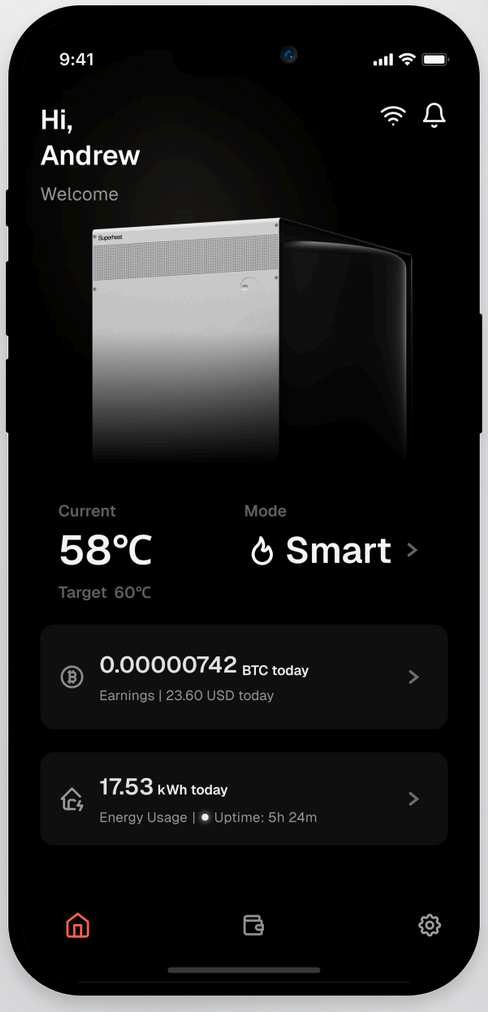
Instantly withdraw your earnings with just a few taps, no crypto experience needed. Secure, straightforward, and designed for everyone.

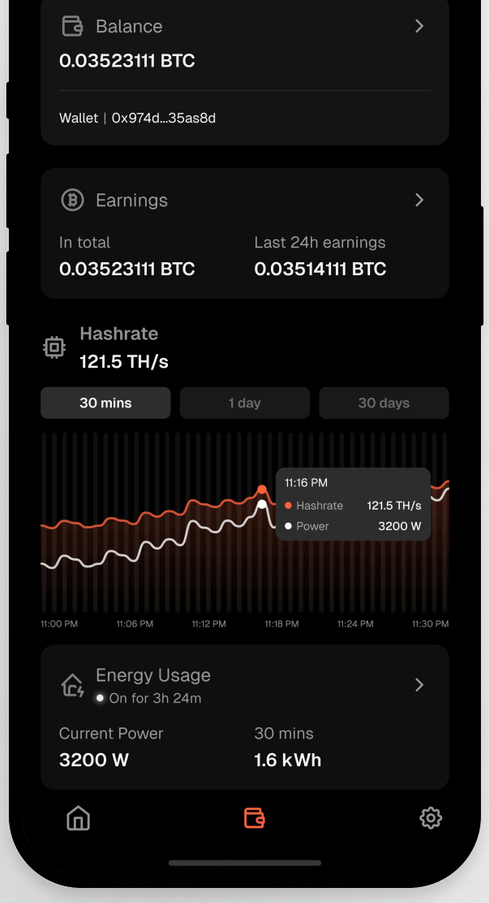
Effortless smart control.

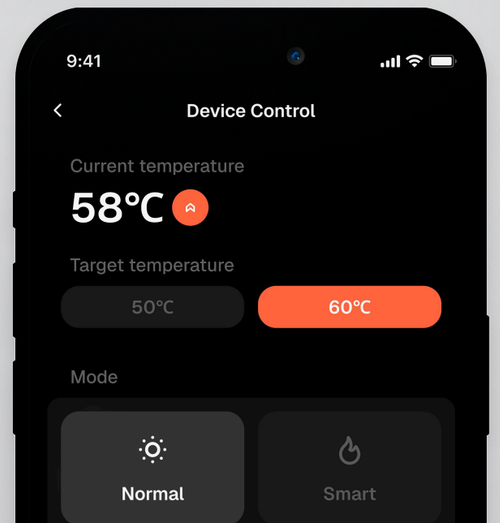
Adjust temperature, mode instantly from your phone. Track real-time performance and energy status to stay informed.

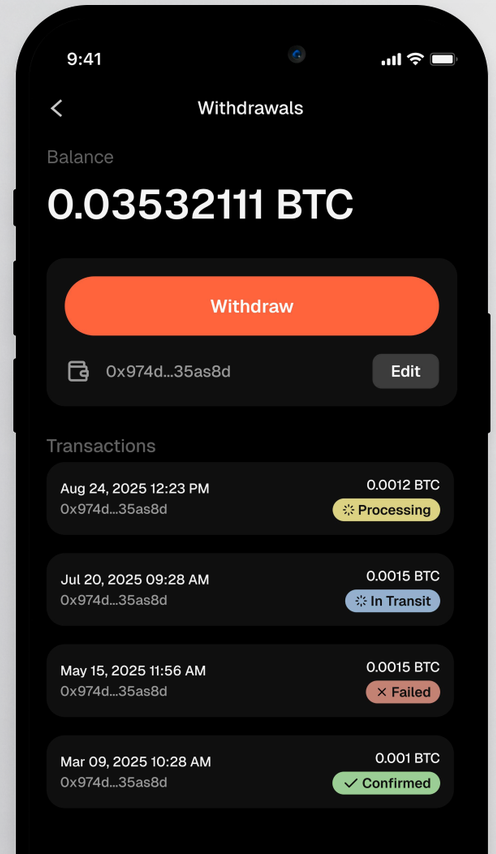
Adaptive heating, optimized energy.

Superheat learns your schedule, heating water only when it's needed without excess.



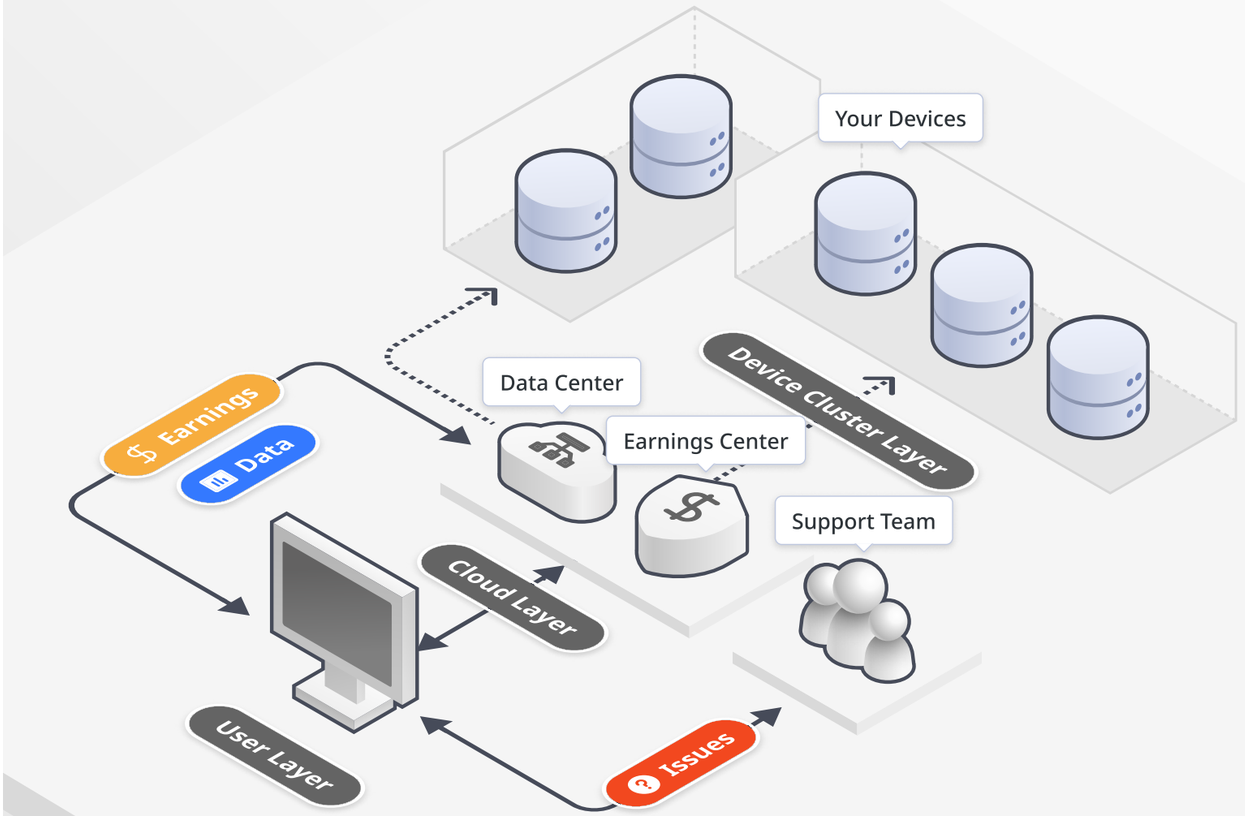






Superheat Console (Web) — For smart operations and scalable control.

Superheat Console provides a centralized platform to monitor, configure, and optimize all connected devices. Designed for enterprise scenarios, it simplifies cluster management, enhances collaboration, and delivers real-time operational insights — all in one clean interface.



Superheat Console Journey Map — Commercial Setting with Multiple Devices.

Superheat Console empowers your business with intelligent fleet management.

Cluster Device Control.

Easily monitor performance, uptime, and energy use across all units in real time. Instantly adjust settings or deploy updates to every unit with a single click.

Transparent Earnings, Confident Decisions.

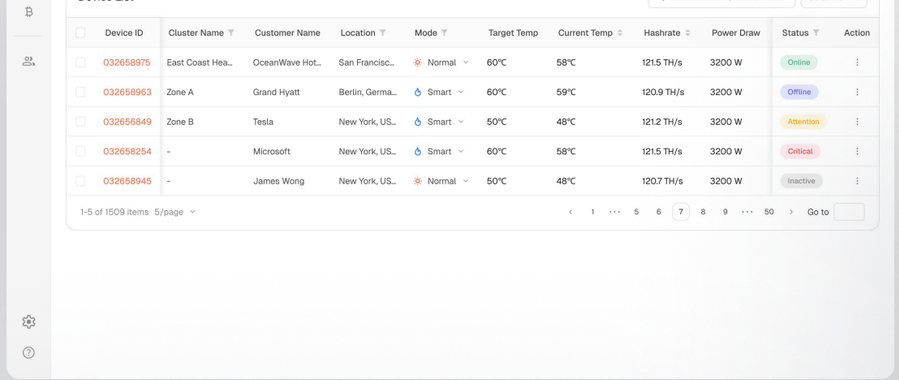
See your revenue clearly with visualized data and secure, role-based permissions. Gain full financial insight and control at every level.

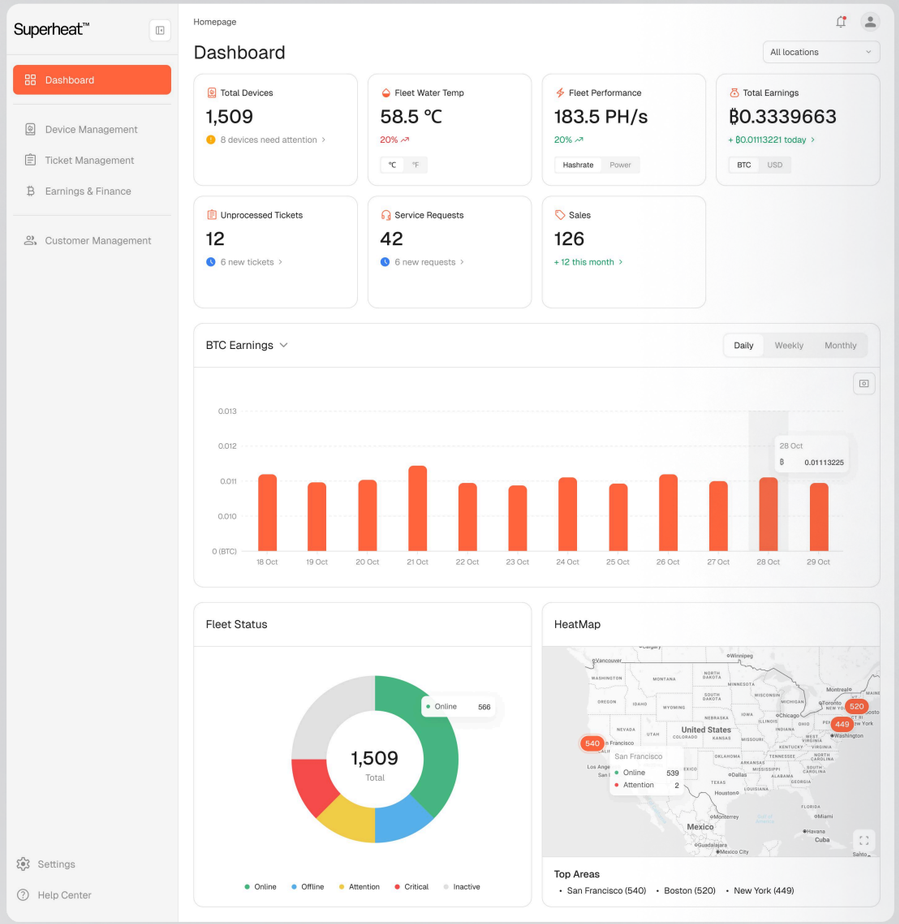
Data-driven, Instant Insights.

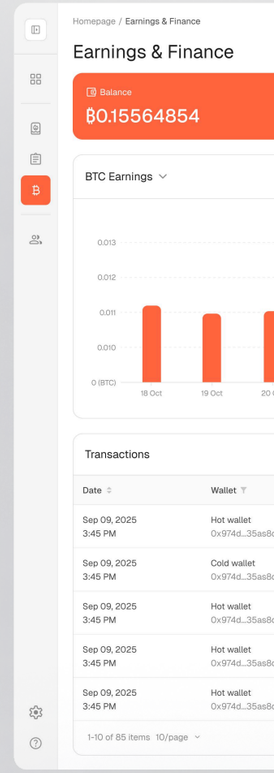
Access intuitive dashboards that visualize key metrics, detect anomalies, and unlock optimization opportunities for smarter, faster decisions.

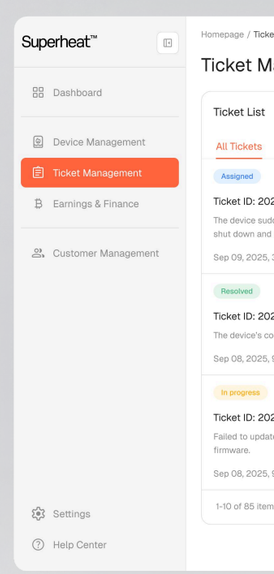
Ticket Support, Continuous Stability.

Manage maintenance and technical issues efficiently. Create, assign, and track support tickets to resolve problems quickly, ensuring smooth operation at all times.









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