GreenMatters®
TECHNOLOGIES

COMPANY PRESENTATION

INTRODUCTION

Traditionally, fossil-fuel boilers supply hot water for large buildings. Our advanced heat recovery systems capture waste heat from AC chillers to provide 100% of a building's hot water needs, effectively replacing gas-fired boilers.

Our compact, modular technology retrofits easily into existing facilities or integrates into new developments. Customers can choose between a service-utility model with no capital expenditure or direct purchase.

By using energy that would otherwise be wasted, we help buildings cut emissions and reduce net energy costs by over 80%—because when it comes to making the world better, green matters.

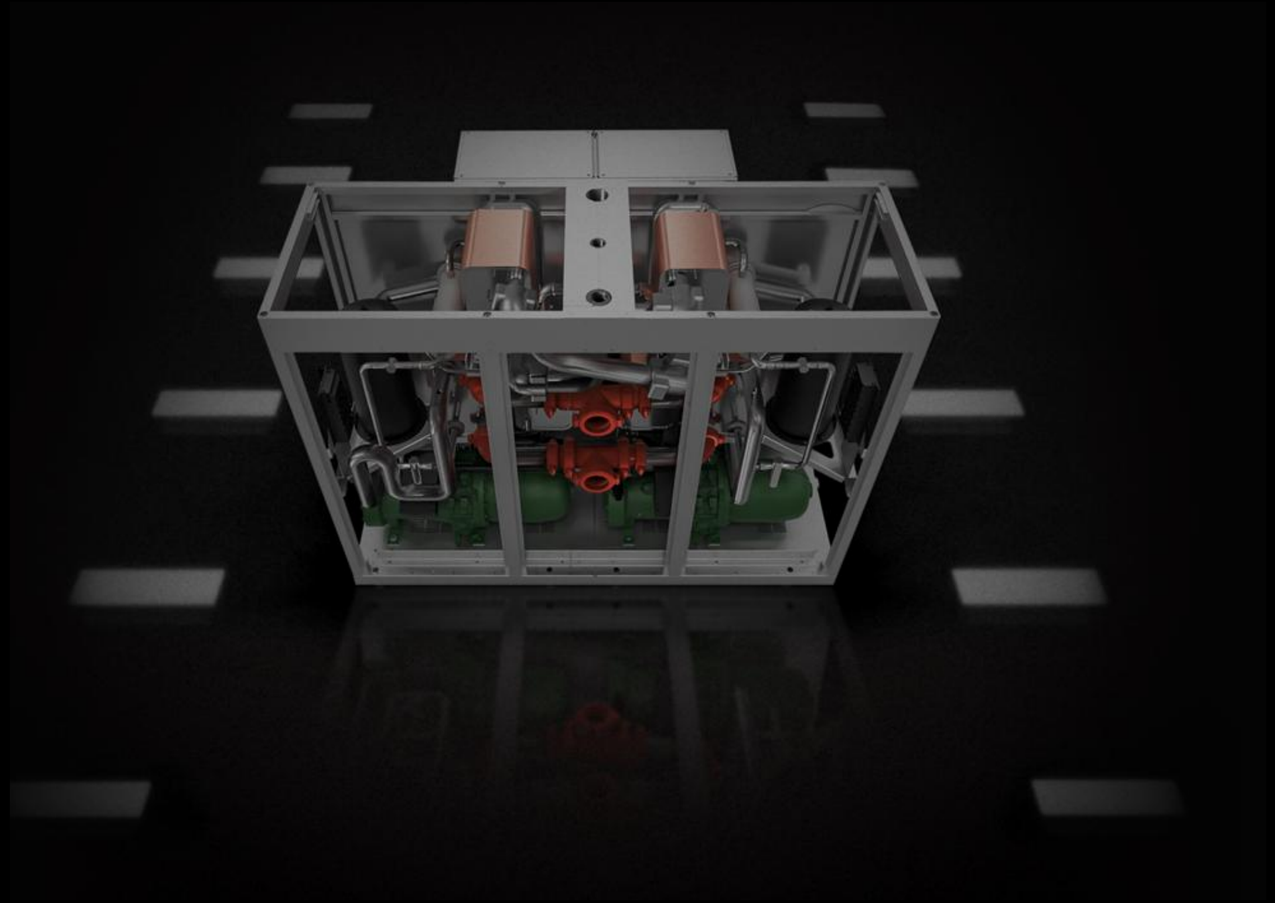
THE CHALLENGE

- Rising energy and fossil fuel costs
- Growing public and shareholder pressure to demonstrate measurable ESG results
- Aging, inefficient domestic hot water and space heating systems
- Limited capital available for major infrastructure projects
- The need to minimize disruptive construction and keep facilities fully operational

OUR SOLUTION

- Recover waste heat at industry-leading efficiency (up to 610%), significantly reducing energy consumption, operating costs, and environmental impact
- Reduce Scope 1 GHG emissions through electrification
- Provide modern, highly efficient, centrally monitored, high-temperature water heating systems
- Offer an alternative subscription model with zero capital and zero installation costs
- Deploy compact equipment designed to fit through elevators and integrate seamlessly into existing mechanical rooms

THE TECHNOLOGY BEHIND THE SAVINGS



Turning wasted energy into reliable, emission-free hot water.

The CE-K500 is a compact, high-efficiency heat recovery system designed to provide both potable hot water and space heating by recycling waste heat from sources like chillers, geothermal loops, or ambient air.

Key Features and Benefits

- High Efficiency: Achieves a Coefficient of Performance ($COPH$) of 6.1 (610% efficiency), heating water to 60°C (140°F) in a single pass.
- Zero Emissions: Provides a "CO2 FREE" green solution by utilizing existing waste heat rather than burning fuel.
- Reliability: Features a dual-sided design that allows for maintenance on one half while the other continues to operate, ensuring no downtime.
- Easy Integration: Its modular, small-footprint design is built for easy transport and can be retrofitted into existing mechanical rooms without removing old boilers.
- Smart Technology: Utilizes intelligent scheduling and operating parameters to maximize energy savings.

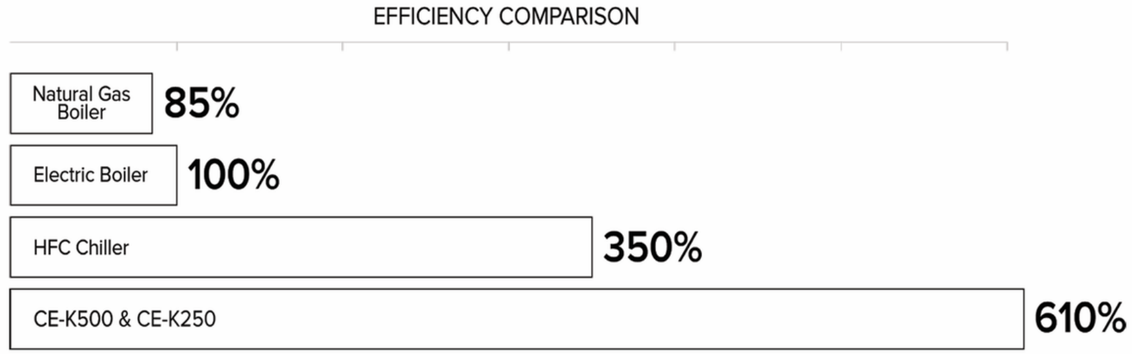
PRODUCT FEATURES

UNIQUE TECHNOLOGY
- 11 Issued Patents
- Two independent compressors (CE-K500)
- Eliminates the need for a boiler

INCREASED ENERGY SAVINGS
- Captures thermal waste
- Heats water directly from the source
- Over 6 times the efficiency of a gas boiler

ENVIRONMENTALLY SUSTAINABLE
- Eliminates the burning of fossil fuels
- Overall reduction in CO_2 emissions

EASE OF IMPLEMENTATION
- Seamlessly integrates with existing HVAC systems such as air conditioner/chiller units
- Smart remote system monitoring and control
- Compact for easy logistical transport, installation and maintenance
- The CE-K250 can operate on its own, or can be combined with additional modules to operate intelligently in either series or parallel



GreenMatters TECHNOLOGIES

ADVANCED TECHNOLOGY & PERFORMANCE

KEY BENEFITS

- Zero Risk: The provider carries the full investment and ownership of the infrastructure.
- Full Integration: The service covers everything from initial design and commissioning to ongoing optimization.
- All-Inclusive Maintenance: All parts and labor are covered for the entire life of the contract, ensuring the system always runs at peak performance without extra costs to you.

THE "*INFRASTRUCTURE-AS-A-SERVICE*" MODEL

- Green Matters removes the traditional barriers to upgrading HVAC systems by offering a performance-based utility model.
- Instead of a large upfront purchase (Zero CapEx), the system is provided as a service. You pay a monthly fee that is calculated based on the actual energy savings the system generates. This aligns the incentives of both parties: the company only profits when your facility successfully reduces its energy costs.

AI-DRIVEN OPERATIONS

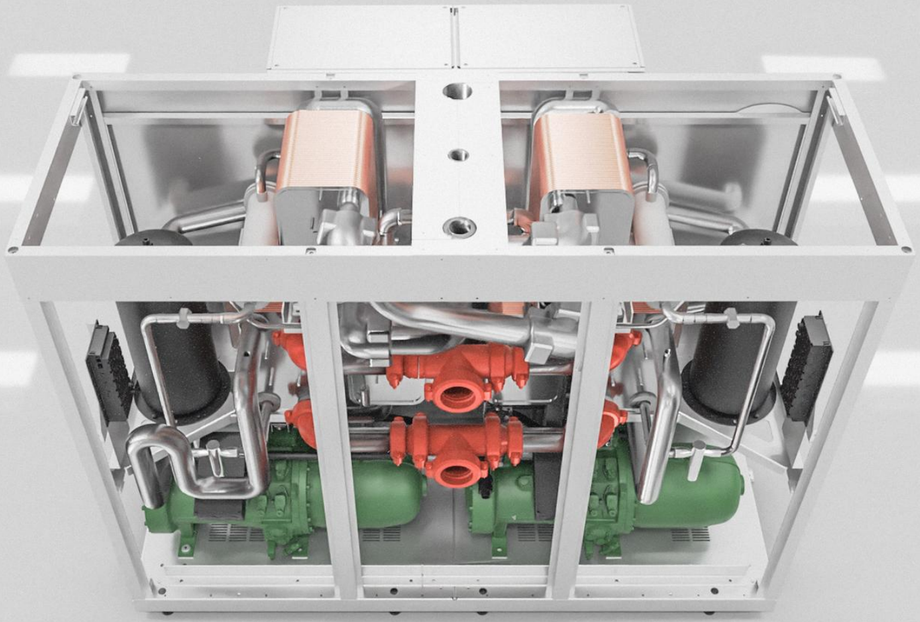
The system is integrated with a cloud-based monitoring platform that uses machine learning algorithms. This allows the unit to:

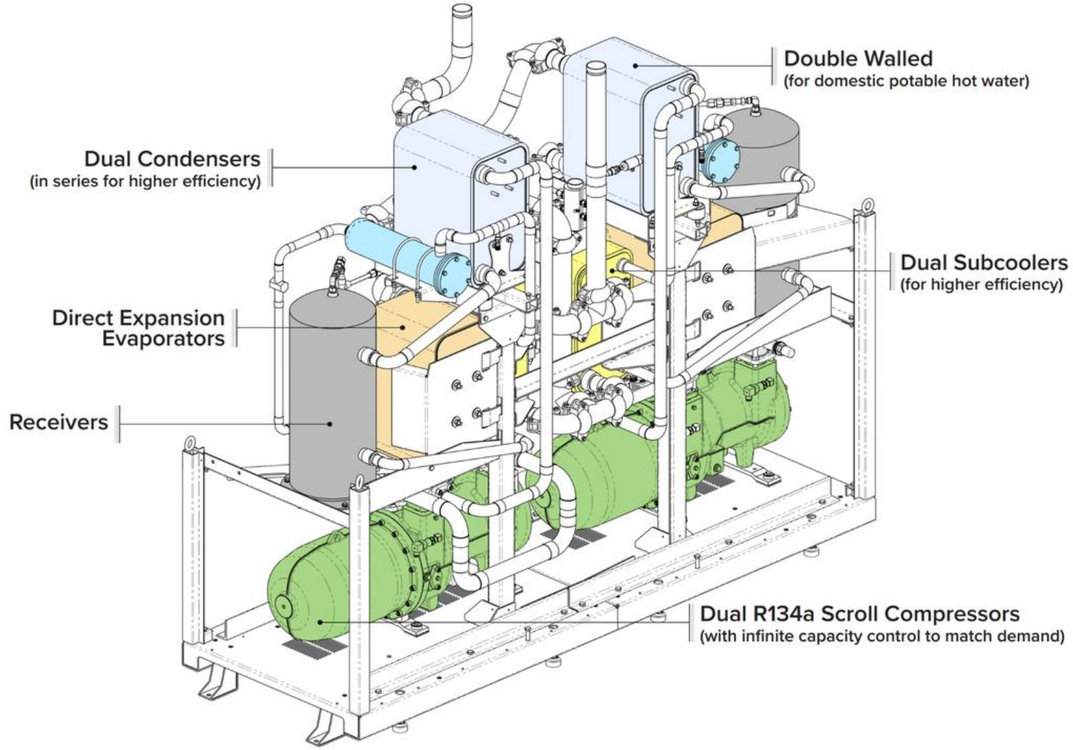
- Self-Optimize
- Predictive Maintenance
- Continuous Oversight: Performance and system health are tracked 24/7 via a remote infrastructure.

EQUIPMENT SNAPSHOT

The CE-K500 is an emission-free heat recovery system that converts waste heat from sources like chillers and geothermal loops into potable hot water and space heating.

Technical Excellence
It utilizes a proprietary two-stage cascading refrigeration design that drives a single water circuit. This allows the system to reach higher output temperatures with significantly less electricity, maximizing its Coefficient of Performance ($COPH$).





Smart Operations
The system is managed by Machine Learning and cloud-based monitoring. It doesn't just run; it actively learns and adapts to its environment to optimize energy use. This intelligence includes predictive maintenance, which flags potential issues before they cause downtime, ensuring a longer equipment lifespan.

Strategic Value
By replacing traditional combustion with recycled thermal energy, the CE-K500 provides a high-reliability, carbon-free utility solution. It essentially turns a building's "waste" into a high-value asset, managed by a smart infrastructure that guarantees efficiency.

OUR APPROACH

>> We begin by assessing your site to understand how hot water is currently produced and where energy savings can be unlocked. Through our Energy Audit Assessment, we evaluate your facility's energy consumption, infrastructure, and operating conditions to identify the benefits of integrating a Captive Energy Heat Recovery System. This streamlined process allows us to quickly model efficiency gains and cost reductions tailored to your operation.

>> From there, we deliver a clear savings proposal outlining projected energy and cost reductions. A final on-site assessment validates system layout, piping, and equipment, while identifying opportunities to optimize or reuse existing components.

>> Where required, 3D scans and data collection ensure accurate design, reliability, and redundancy, so your solution is efficient, resilient, and built for long-term performance.

Service Pricing Model

BASED ON WHAT YOU SAVE

- Our pricing model is as innovative as our technology.
- We recognize that new HVAC infrastructure is rarely planned for in capital budgets.
- Even when savings are clear, upfront investment remains a barrier.
- That's why we offer our Captive Energy Heat Recovery Systems through a service/utility model.
- You pay a monthly fee tied directly to the energy savings generated.

Meaning:

✓ Zero CapEx, zero risk — we fund the system.
✓ Guaranteed savings — fees are performance-based.
✓ End-to-end service — design, commissioning, and optimization.
✓ All-inclusive maintenance — full parts and service coverage.
✓ Aligned incentives — we succeed only when you save.
✓ A true partnership built on measurable results, trust, and long-term efficiency.

CASE STUDY

SAN JUAN MARRIOT PUERTO RICO

San Juan, Puerto Rico
525 Rooms
1 Pool
1 Restaurant
Internal Laundry

“Through every step of the way and up to the last commissioning stage, your service, knowledge, and guidance have been much appreciated and helpful. To date, the Heat Recovery Water Heater has been working to all expectations while making a great difference to the gas and emission consumptions resulting in substantial savings.

Carlos Bravo,
Director of Engineering
San Juan Marriott Resort & Casino.

GREEN MATTERS TECHNOLOGIES®

CASE STUDY

IHG® HOTELS & RESORTS

INTERCONTINENTAL REAL SANTO DOMINGO BY IHG

Santo Domingo, Dominican Republic
225 Rooms
1 Pool
1 Restaurant
Internal Laundry

"We installed Green Matters Technologies CE-K500 heat recovery system in our hotel, Real InterContinental Santo Domingo in July 2025.

The experience so far, has been excellent. The installation went smoothly and since then, all hot water for the guest rooms is provided by the system, without the use of our older gas boilers.

I can abide for the system, as it has been a win on every level: happier guests and, a more sustainable operation. I would definitely recommend this solution to any hotel looking to upgrade their hot water system.

Sebastian Gonzalez
General Manager

GREEN MATTERS TECHNOLOGIES®

CASE STUDY

SHERATON
EST. 1937

SHERATON PUERTO RICO RESORT & CASINO

**Installation in Progress*

San Juan, Puerto Rico
505 Rooms
1 Pool
2 Restaurants
1 Bar
Internal Laundry

> Innovation and sustainability are core values that shape how the Sheraton Resort & Casino builds, serves, and connects people around the world, in alignment with Marriott International's sustainability goals: reducing environmental impact, supporting local communities, and operating with integrity.

GREEN MATTERS TECHNOLOGIES®

GET IN TOUCH

Let’s start a conversation about measurable energy savings and long-term performance.

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