



windmason
BREATHE THE FINEST

ECOEDGE AI

Decarbonizing the Planet
One Building at a Time

UAE | Oman | Saudi Arabia | Bahrain



WHAT WE DO

We make HVAC systems
green, sustainable & highly effective

ACTIVE DEPLOYMENTS

FIVE
PALM JUMEIRAH DUBAI

park inn
by Radisson

DUBAI MOTOR CITY



الحبtoor
ALHABTOOR

PARK REGIS
KRIS KIN HOTEL • DUBAI

Radisson RED

HERIOT
WATT
UNIVERSITY

PLANNED DEPLOYMENTS

Radisson BLU
DUBAI MEDIA CITY
دبي ميديا سيتي

DELTA
HOTELS
MARRIOTT
JUMEIRAH BEACH
DUBAI

JBC MANAGEMENT DMCC
جيه بي سي مانجمنت م.د.م.س

TRYP
BY WYNDHAM

H Rotana

DIFC





SHIFT TOWARDS DECARBONIZATION

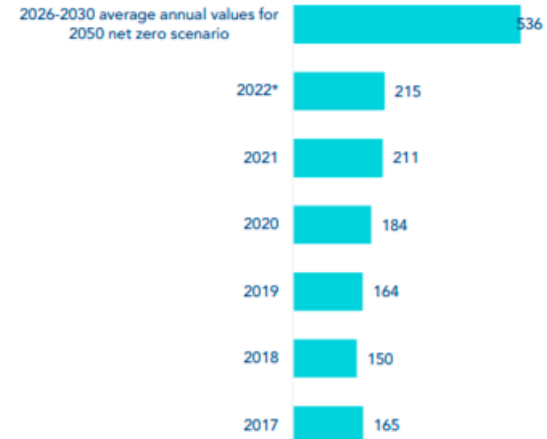
Commitments to net-zero carbon dioxide (CO₂) or GHG emissions targets cover 88% of countries' emissions:

- UAE – 40% reduction in carbon emissions by 2030
- KSA – Reduction of 278 mtpa CO₂E emissions by 2030
- Qatar - 25% reduction in GHG emissions by 2030
- Oman - 21% reduction in GHG emissions by 2030
- Bahrain – 30% reduction in CO₂E emissions by 2035
- Kuwait – 7.4% reduction in CO₂E emissions by 2035

THE WAY FORWARD

Enhancing energy efficiency by employing superior technology:

ANNUAL INVESTMENT IN ENERGY EFFICIENT BUILDINGS FROM 2017 TO 2022, AND NET ZERO FORECAST FROM 2026 TO 2030, IN USD BILLION, WORLDWIDE





Our way

Employ ML to learn about usage patterns, feed key data through external sources and enable AI to make data centric decisions to achieve HVAC efficiency

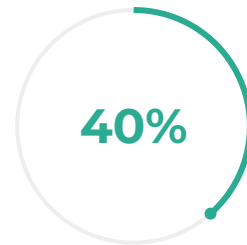
Our users



Malls, hospitals, airports, factories, hotels, and residential, industrial and commercial buildings around the world



↓ Energy bills



↓ Carbon footprint



↑ Comfort

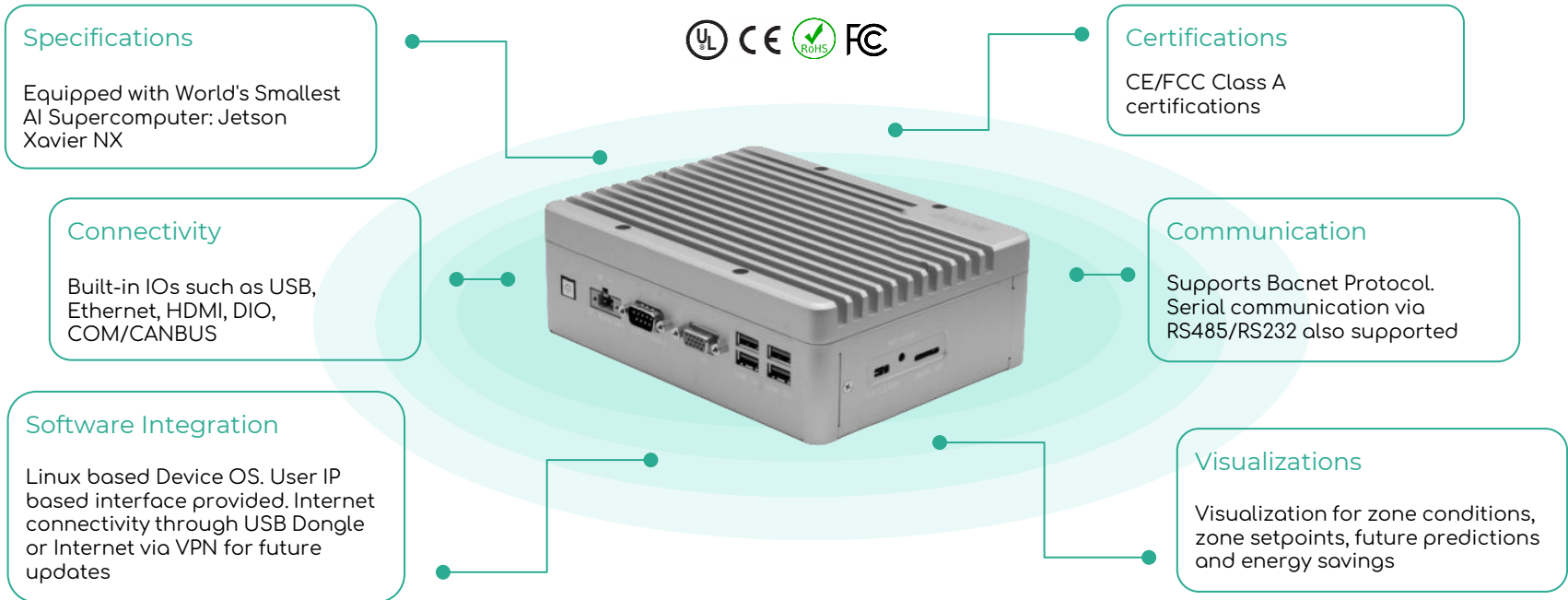


↓ Operational problems



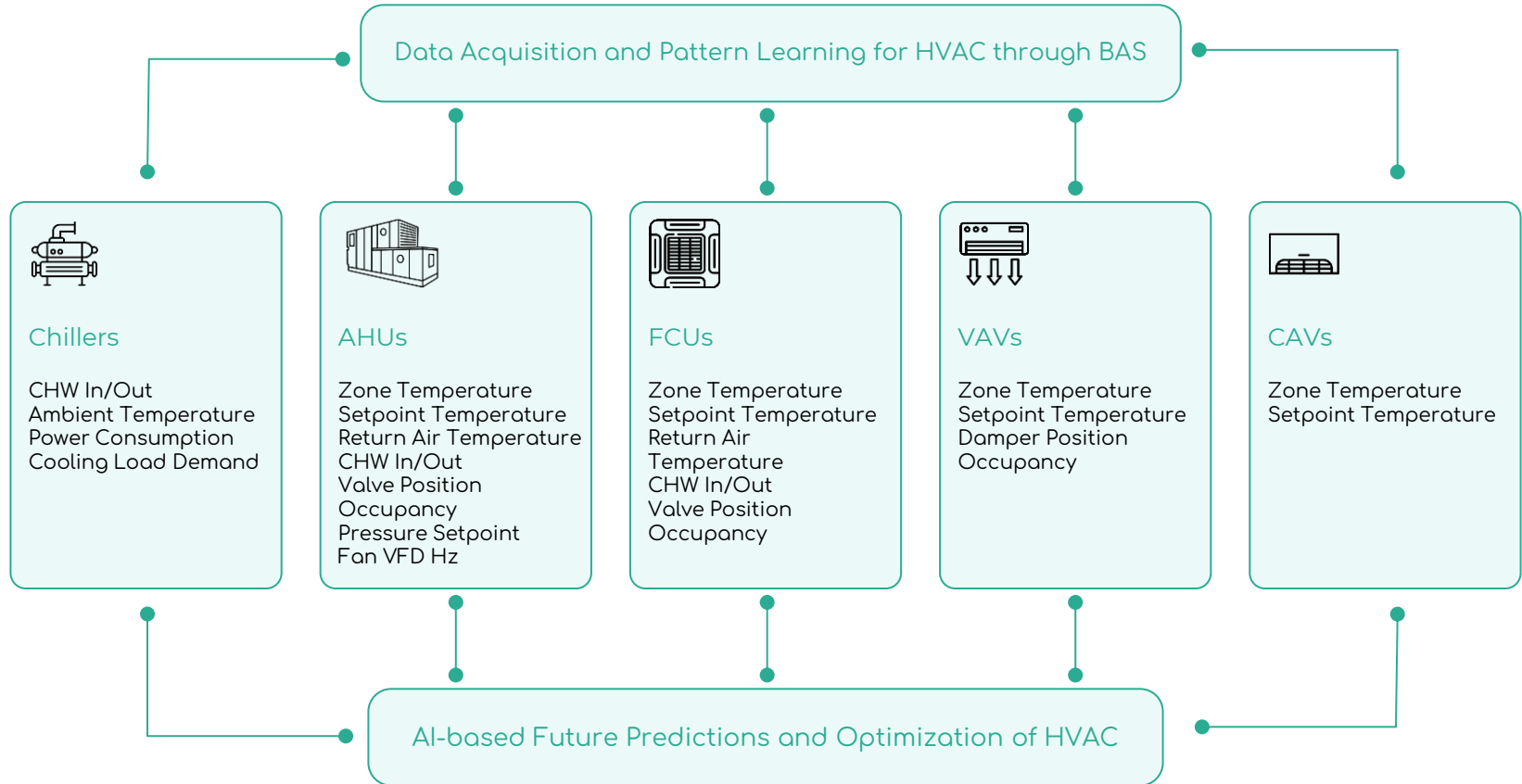
OUR TECHNOLOGY

Leveraging AI to optimize HVAC operations



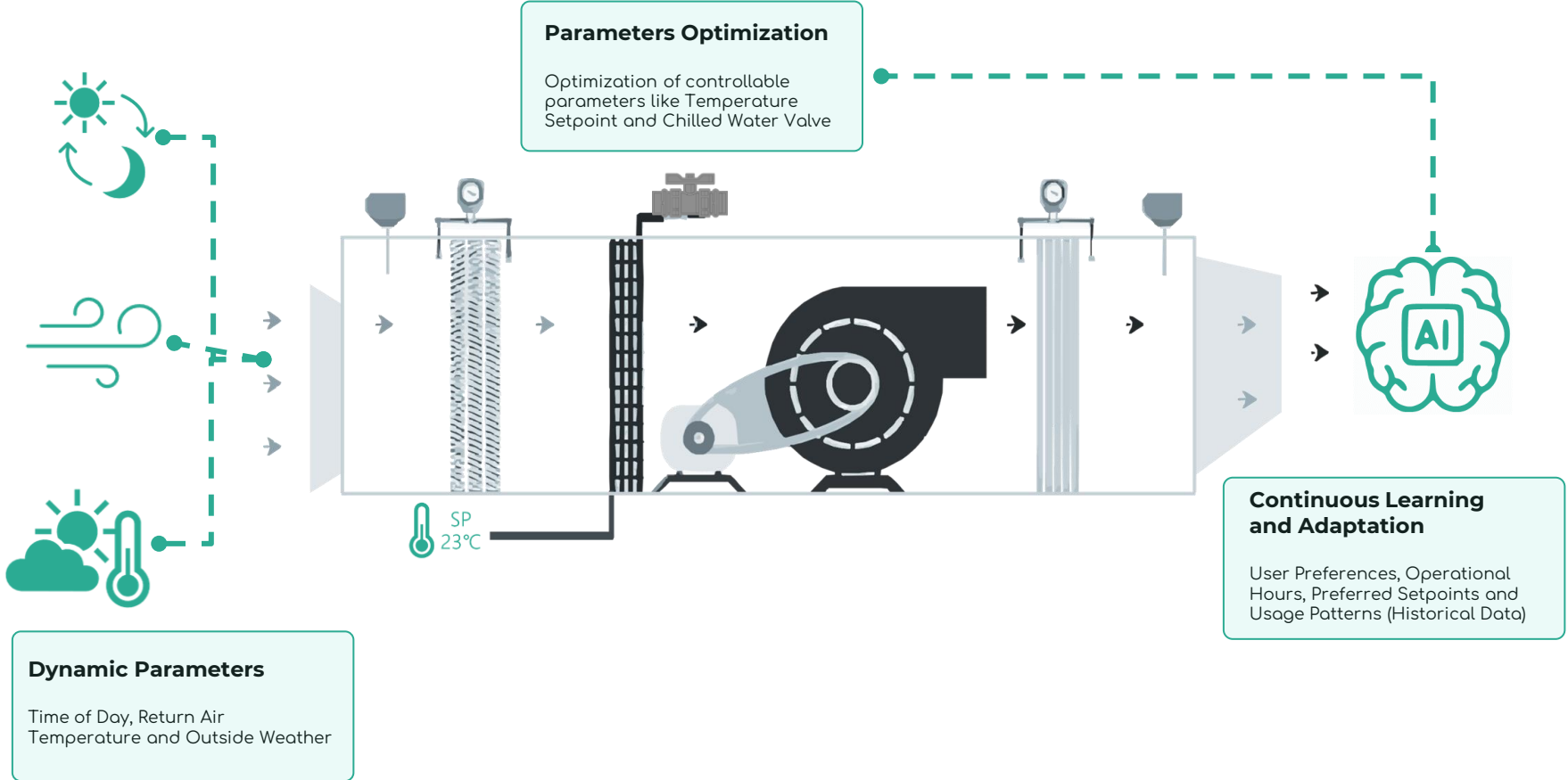


OUR SOLUTION





SAVINGS OPPORTUNITY



Dynamic Parameters

Time of Day, Return Air Temperature and Outside Weather

Parameters Optimization

Optimization of controllable parameters like Temperature Setpoint and Chilled Water Valve

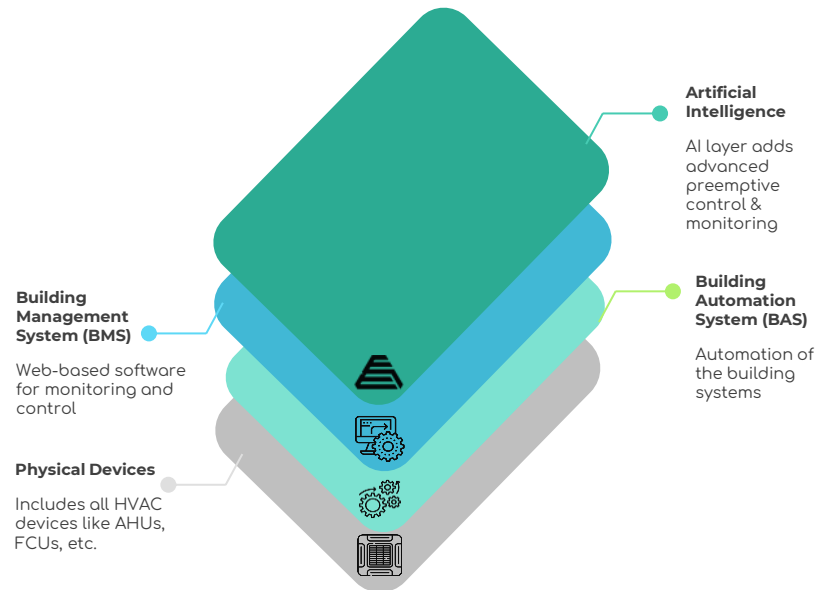
Continuous Learning and Adaptation

User Preferences, Operational Hours, Preferred Setpoints and Usage Patterns (Historical Data)

VALUE PROPOSITION

Reactive vs. Proactive

| Feature | Conventional BMS (Reactive Approach) | EcoEdge AI (Proactive Approach) |
|----------------------------|--------------------------------------|--------------------------------------|
| Data Collection | X Limited | ✓ Continuous |
| Data Analysis | X Minimal analysis | ✓ AI-based predictions |
| Autonomous | X Manual adjustments | ✓ AI-based actions |
| Energy Usage | X Energy wastage | ✓ Dynamic optimization |
| System Learning | X Fixed rules-based | ✓ Continuous learning and adaptation |
| Occupant Comfort | X Manual adjustments | ✓ Auto-adjustments |
| Energy Efficiency | X Decreases with time | ✓ Improves with time |
| Carbon Emissions Reduction | X No active focus | ✓ Reduces energy waste and emissions |

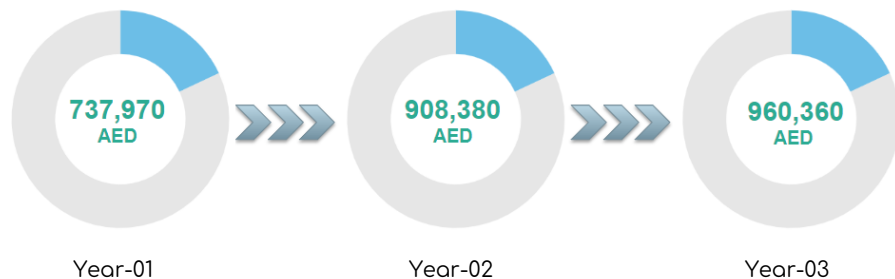


CASE STUDY

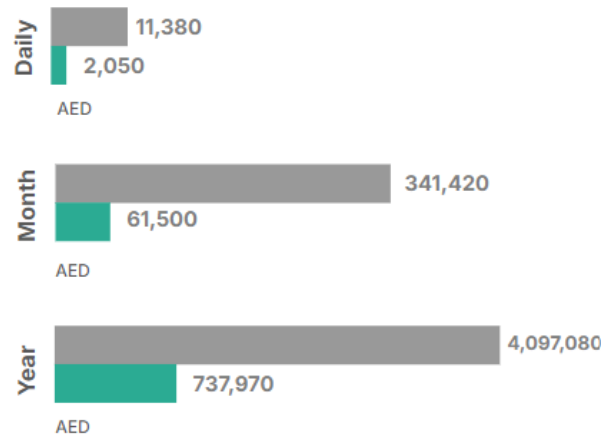
Luxury Hotel

| | Reduction in Energy Consumption | Annual Reduction in CO2 Emissions |
|---------|---------------------------------|-----------------------------------|
| Year-01 | 18.01% | 622.72 MT |
| Year-02 | 22.17% | 766.18 MT |

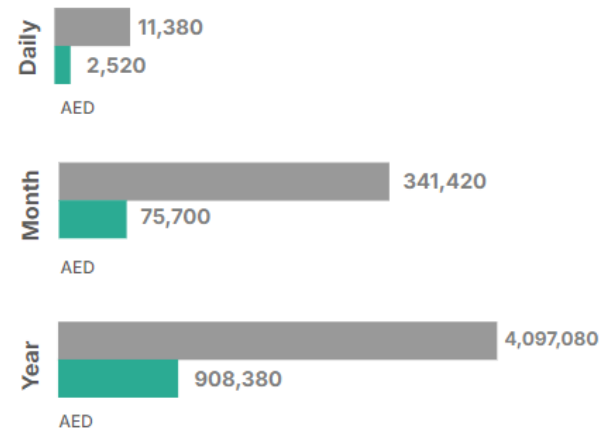
Projected Yearly Savings Potential



Projected Savings Potential for Year-01



Projected Savings Potential for Year-02



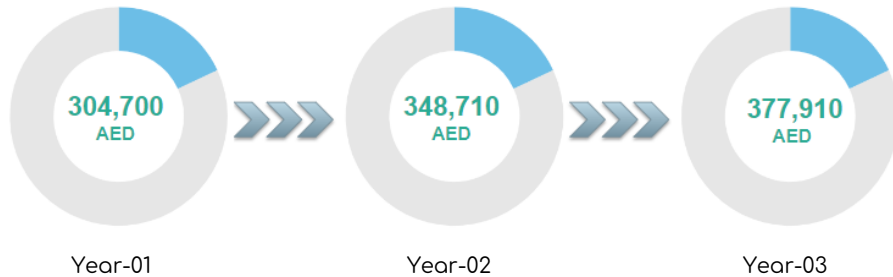


CASE STUDY

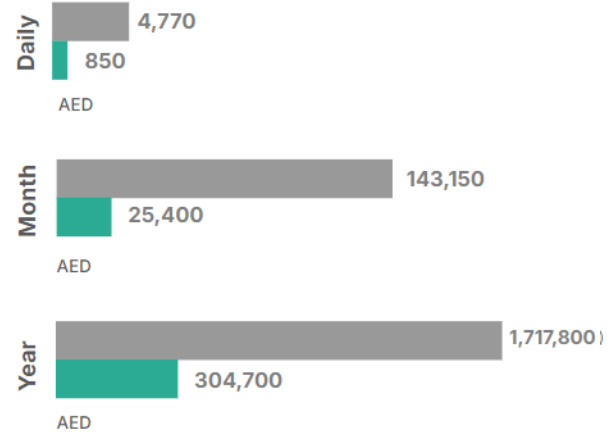
Residential Tower

| | Reduction in Energy Consumption | Annual Reduction in CO2 Emissions |
|---------|---------------------------------|-----------------------------------|
| Year-01 | 17.74% | 189.00 MT |
| Year-02 | 20.30% | 194.10 MT |

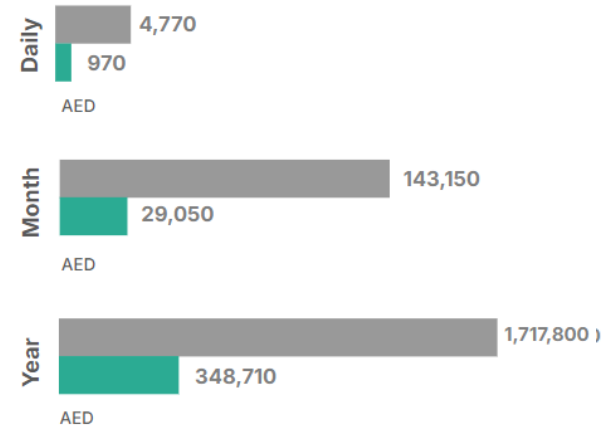
Projected Yearly Savings Potential



Projected Savings Potential for Year-01



Projected Savings Potential for Year-02



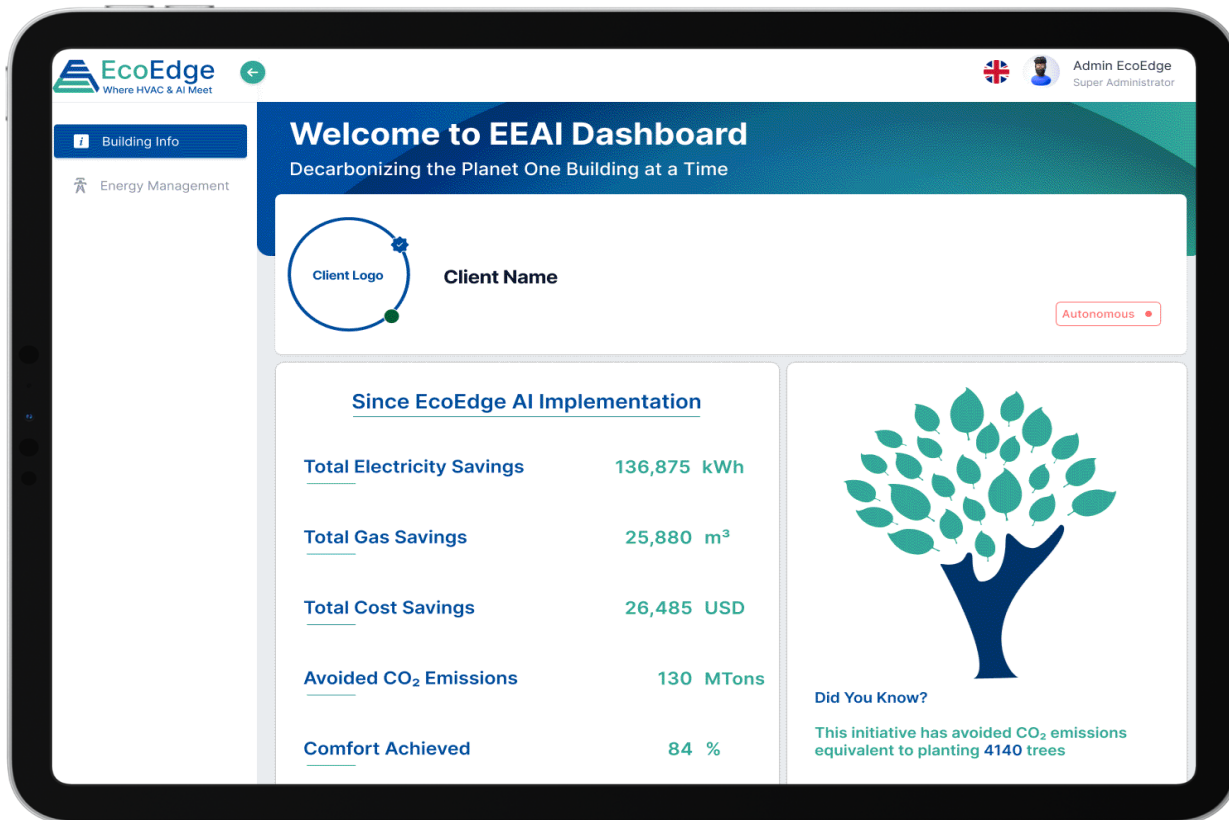
DATA VISUALIZATION

User-Friendly Dashboard

Increase in energy efficiency reporting

Real time monitoring and data-driven control

Fault detection and diagnosis





DELIVERY

Our tech can
be integrated
with HVACs
within 7 days

Assessment

Our team
analyzes the
HVAC site then
lists specs and
details

Implementation

EcoEdge AI
integrates with the
HVAC system in
just 3-5 days

Findings

Findings and
possible energy
consumption
and reduction of
carbon shared
with building
manager

Proposal

Cost proposal is
shared with the
building owner



SERVICE

Flexible Payment Models



Pay Once

One time deployment
cost + annual
maintenance

(Break even in 16-18
months)

(Includes tech updates,
troubleshooting, monthly
visits)



Pay Monthly

One time deployment
cost + monthly
subscription

(Break even in just 4-6
months)

(Includes tech updates,
troubleshooting, monthly
visits)

SPEAKING EVENTS

EcoEdge AI on the Global Stage

AI-Driven HVAC
Optimization for
Sustainable Urban
Cities

LEAP | Smart Cities

Investing in the Future,
the Energy Market,
Vision, Opportunity,
and Technology

LEAP | Future Energy

AI-Powered HVAC
Efficiency – Startup City
Exhibition Hall

BIG 5 Global

AI for Sustainability:
Application in the Built
Environment

Dubai AI & Web3 Festival

Clean Tech
Forum

New Energy Nexus

AI & HVAC Energy
Efficiency

AI 101 Strategic
Workshop






SDG-FOCUSED

Our Contribution to the Planet



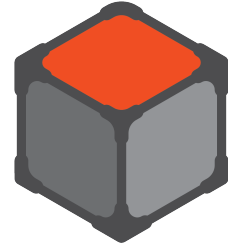


PAVE THE WAY FOR A GREENER FUTURE

5 Years, 5000 Buildings
3.2 Million tons of CO₂ emissions avoided

Be Part of the Change

Start Decarbonizing with Us



windmason

BREATHE THE FINEST

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