



NOVA EMS

INTELLIGENT ENERGY CONTROL MANAGEMENT

Monitor, control and improve
the performance of your
building's energy output.

REZNOR®

 pilot group

Reznor has partnered with energy technology expert Pilot Group to enable owners and operators of Reznor heating products to optimise the use of their HVAC equipment, delivering of energy cost savings and Carbon footprint reduction.

Innovation is in our DNA at Reznor. Since 1888 we have consistently evolved to provide solutions to our customers that really deliver against their real-life business needs. Reduction and conservation of energy usage is a key for many businesses right now, and the selection of the right HVAC technology for each working environment is extremely important.

Who are Pilot Group and why have Reznor Partnered with them?

Pilot Group specialises in temperature and environmental control for large industrial spaces. Their Energy Management System is an intelligent control system that is designed to optimise your site environment whilst achieving a carbon and cost reduction.

Richard Leese, Managing Director at Reznor
“So, the synergy is clear, this partnership with Pilot Group and their sophisticated energy management expertise means we can further increase the energy efficiency of the HVAC solutions we supply. We’re excited to see this partnership go from strength to strength, but what’s more, we’re excited to help organisations across the UK meet their energy challenges head on.”

Reznor in conjunction with Pilot Group are determined to empower all of our customers to begin a smart, simple, and affordable transition

towards net zero, optimising cost, comfort, and carbon for a collectively sustainable future.

This is achieved by implementing several control features and optimisation strategies including centralised control and advanced scheduling of your Reznor heating and cooling, providing residual heat utilisation from your heating, integration with door switches, optimised ramp up and down times for temperature settings, and weather compensation.

Pilot Groups’ many years of experience has enabled them to become experts in industrial site management whilst achieving average customer savings of 43%.

COMPATIBLE WITH **REZNOR PRODUCTS**



RHeco
PHOTON
Vision
Vision Herringbone

2
YEARS
TYPICAL PAYBACK
PERIOD

AVERAGE
43%
CUSTOMER COST &
CARBON SAVINGS

INTRODUCING... **NOVA**EMS

In addition to controlling, managing and monitoring heating, the innovative system contains a user-friendly panel with the added benefit of remote access.

KEY FEATURES



HEATING CONTROL

Control and schedule heating with a self-learning system that averages a 43% reduction in energy consumption through greater efficiency.

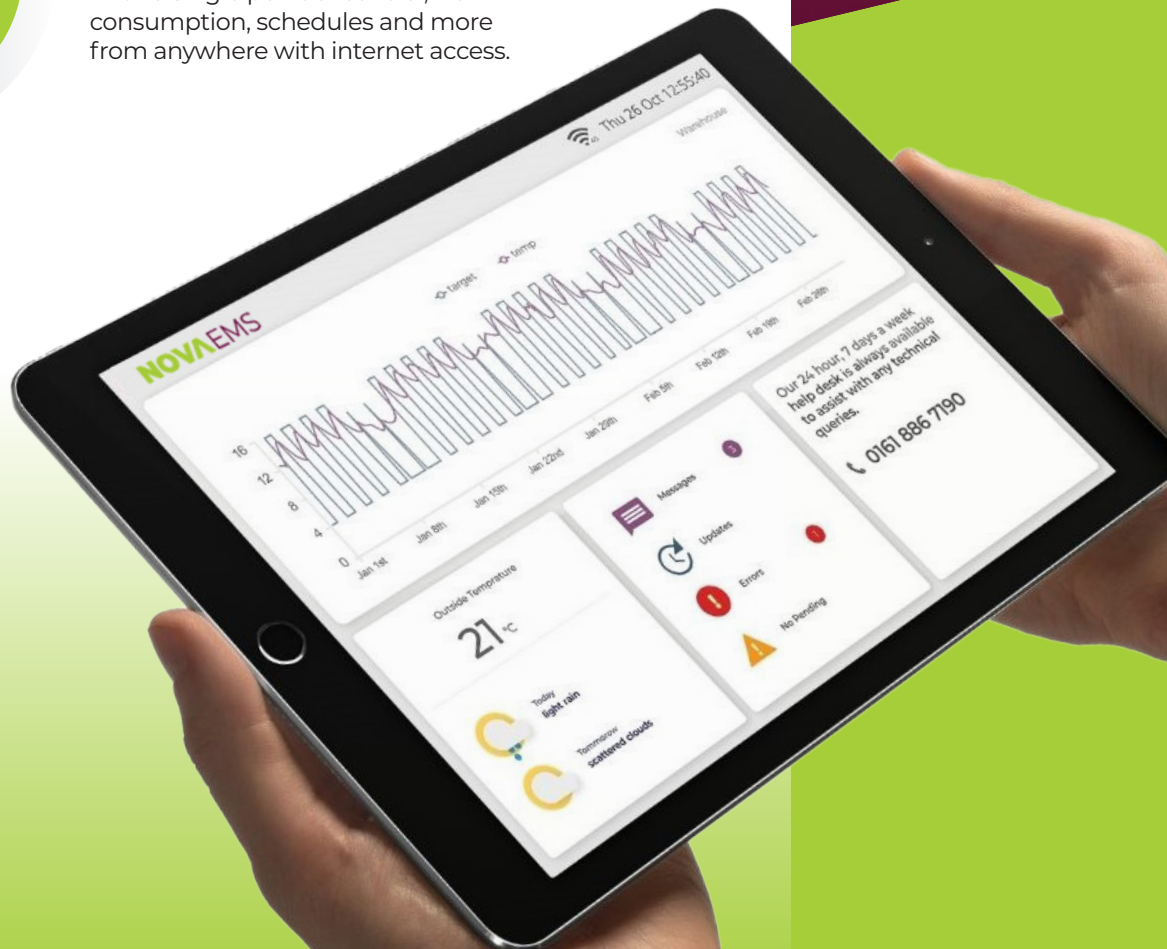
MULTI-SITE CONTROLS

Schedule the on/off operation to reduce the maintenance and save energy.



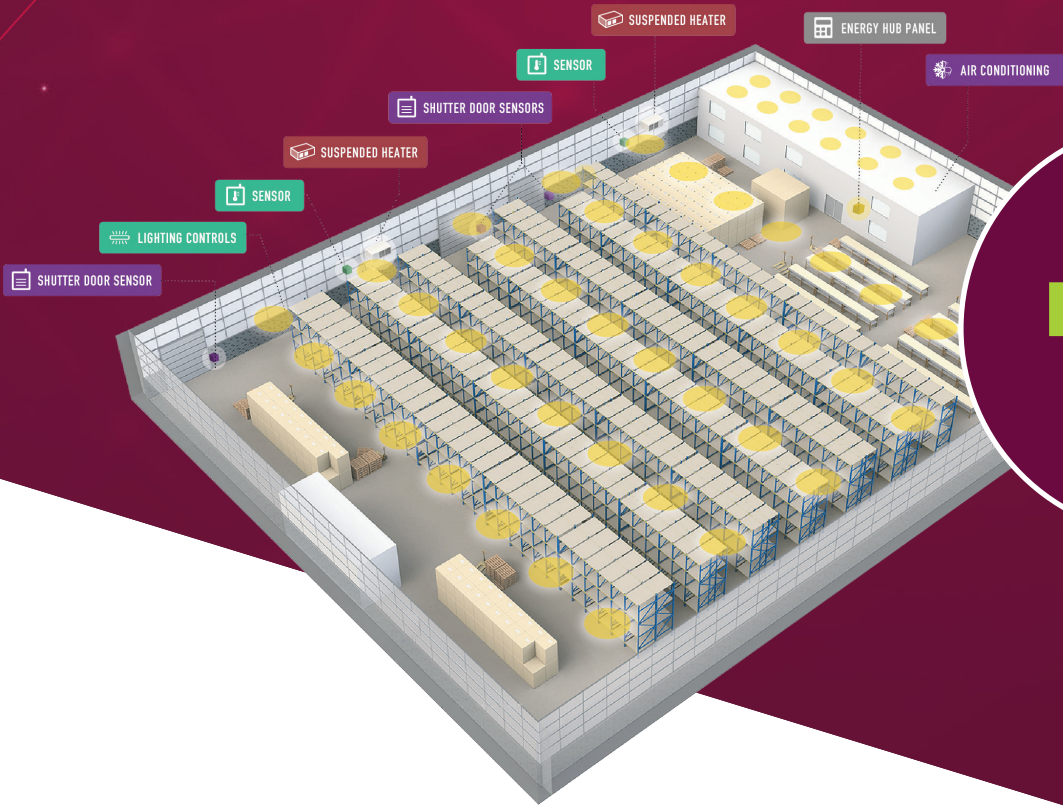
REMOTE ACCESS & REPORTING

With a single point of control, view consumption, schedules and more from anywhere with internet access.



REZNOR®

pilot group



NOVA
EMS

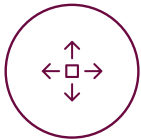
SEE THE BENEFIT!



Energy consumption reductions = **decreased carbon footprint**



Minimal installation disruptions.



Single point of control for **maximum** comfort



Greater visibility of working environment and energy consumption.



Increased staff productivity by improving working environment



Downloadable **reports**

THE COMFORT OF FULL CONTROL FROM ONE SINGLE PANEL

ENERGYMGR 2.0 SYSTEM FEATURES

HEATING CONTROL	REAL TIME MANAGEMENT CONTROL
Scheduling operation of heaters	Easy to navigate user interface ✓
Synchronous burner control function	Cloud based, enabling remote access ✓
Self-learning programme	Self-learning algorithms to optimise performance with minimal intervention ✓
Weather compensation	Live data graphs ✓
Accurate temperature control	Password protected access ✓
Process control monitoring to maximise efficiency and safety	Data export ✓
Door switch and failsafe strategy	Site map ✓

PRODUCT CODES

N-EMS-MP-2	NOVA EMS PANEL
N-EMS-SIM-UK	NOVA EMS - SIM CARD, PLUS LINE RENTAL AND DATA CHARGES FOR ONE YEAR - UK BASED
N-EMS-SIM-EU	NOVA EMS - SIM CARD, PLUS LINE RENTAL AND DATA CHARGES FOR ONE YEAR - EU BASED
N-EMS-SIM-US	NOVA EMS - SIM CARD, PLUS LINE RENTAL AND DATA CHARGES FOR ONE YEAR - US BASED
N-EMS-SE-EXT	NOVA EMS - EXTERNAL TEMPERATURE SENSOR
N-EMS-OS	NOVA EMS - OUTSTATION
N-EMS-SE-INT	NOVA EMS - INTERNAL TEMPERATURE SENSOR
N-EMS-SE-BBS	NOVA EMS - BLACK BULB SENSOR
N-EMS-SW-DS	NOVA EMS - ROLLER SHUTTER DOOR SWITCH
N-EMS-HB	NOVA EMS - HERRINGBONE UNIT
N-EMS-SW-FS	NOVA EMS - SUMMER FAN SWITCH
N-EMS-SW-OS	NOVA EMS - SIMPLE OVERRIDE SWITCH

GUARANTEE & ASA

All systems come with a **2 year warranty** and service agreement, which includes an onsite annual health check - to ensure you're getting the most savings from your NOVA EMS. Our warranty and service can be extended at any time to ensure that your energy management systems continue to optimise efficiency.

OUR WARRANTY AND ANNUAL SERVICE AGREEMENT INCLUDES:



FULL PARTS & LABOUR WARRANTY

For any system related faults*



ANNUAL SERVICE

Re-calibration of the system,
re-commission and a full
service report



ENGINEER CALLOUTS

Site call outs to reported
system faults with priority
booking slots



SOFTWARE UPDATES

Provided when available

Our help desk is available to assist with any technical queries

+(44) 0 1384 489700

CASE STUDY

CARPENTER & PATERSON

£27,000 ANNUAL SAVINGS

Carpenter & Paterson saw their energy consumption reduced by 52%

12-MONTH PAYBACK PERIOD

Expected payback period was 2 years but the actual period was under a year

£26,000 PROJECT COST

Total project costs include all labour, materials and a 1-year service

ADDITIONAL INFO

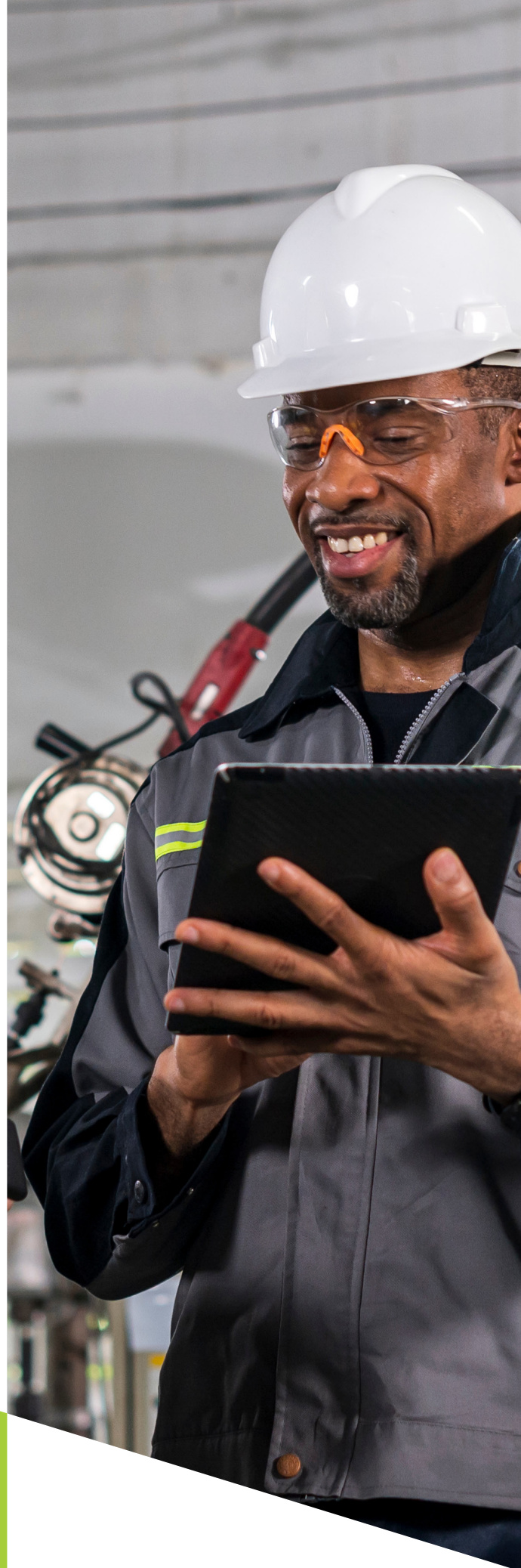
- 52% Cost & Carbon Reduction
- Remote Access Via Cloud-Based Technology
- Sensors Automatically Adjust With Internal & External Temperatures
- Continuous Maintenance & Updates

KEY BENEFITS


- 52% Cost & Carbon Reduction
- Remote Access Via Cloud-Based Technology
- Sensors Automatically Adjust With Internal & External Temperatures
- Continuous Maintenance & Updates

“Saving over 50% a year on gas consumption obviously makes an impact not only on our bottom line but also, importantly on the environment too.”

Kevin Edwards,
Financial Director at Carpenter and Paterson



NOVA EMS

 Intelligent
all-in-one
heating system

REZNOR®

 pilot group

For 130 years, Reznor has gone from strength to strength, consistently evolving to better serve its customers and maintain its position as a leading provider of heating, cooling and ventilation solutions.

Since the early days as the favoured producer of gas fired stoves for heating residential homes, Reznor has evolved to be the preferred name in industrial and commercial HVAC solutions.

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