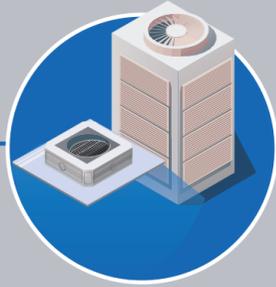


DATA CENTER CHALLENGES



Climate Control and Energy Efficiency

Data centers face uneven cooling, mixed HVAC systems, limited visibility, and tight integration needs, making precise, reliable climate control difficult across grey spaces.



Scalability

Meeting PUE targets is difficult due to fragmented systems, limited real-time data, and uncoordinated power controls that hinder efficient energy management. Usually, data is in multiple protocols.



Secure Remote Monitoring

24/7 data-center operations with limited staff demand safe, reliable remote access. Fragmented systems, strict security rules, and limited visibility make secure monitoring a key challenge.



OT/IT Uptime & Reliability Gaps

Converging OT and IT demands rugged, always-on networks. Legacy gear, mixed protocols, and harsh environments create reliability risks that threaten uptime and uninterrupted operations.

 Explore all Data Center solutions

2 Million AC units connected
AROUND THE WORLD

+340m CO2 TONS SAVED

+1.153GWh ENERGY SAVED

WHICH IS EQUIVALENT TO



CO2 SAVED BY
13,608,146
TREES IN 1 YEAR



CO2 GENERATED BY
50,777 EU PEOPLE
IN A YEAR



CO2 GENERATED BY
1,064,809,275
PC WORKING 1H



CO2 GENERATED BY
520,986 FLIGHTS
LONDON - NEW YORK



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N-Tron
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Intesis
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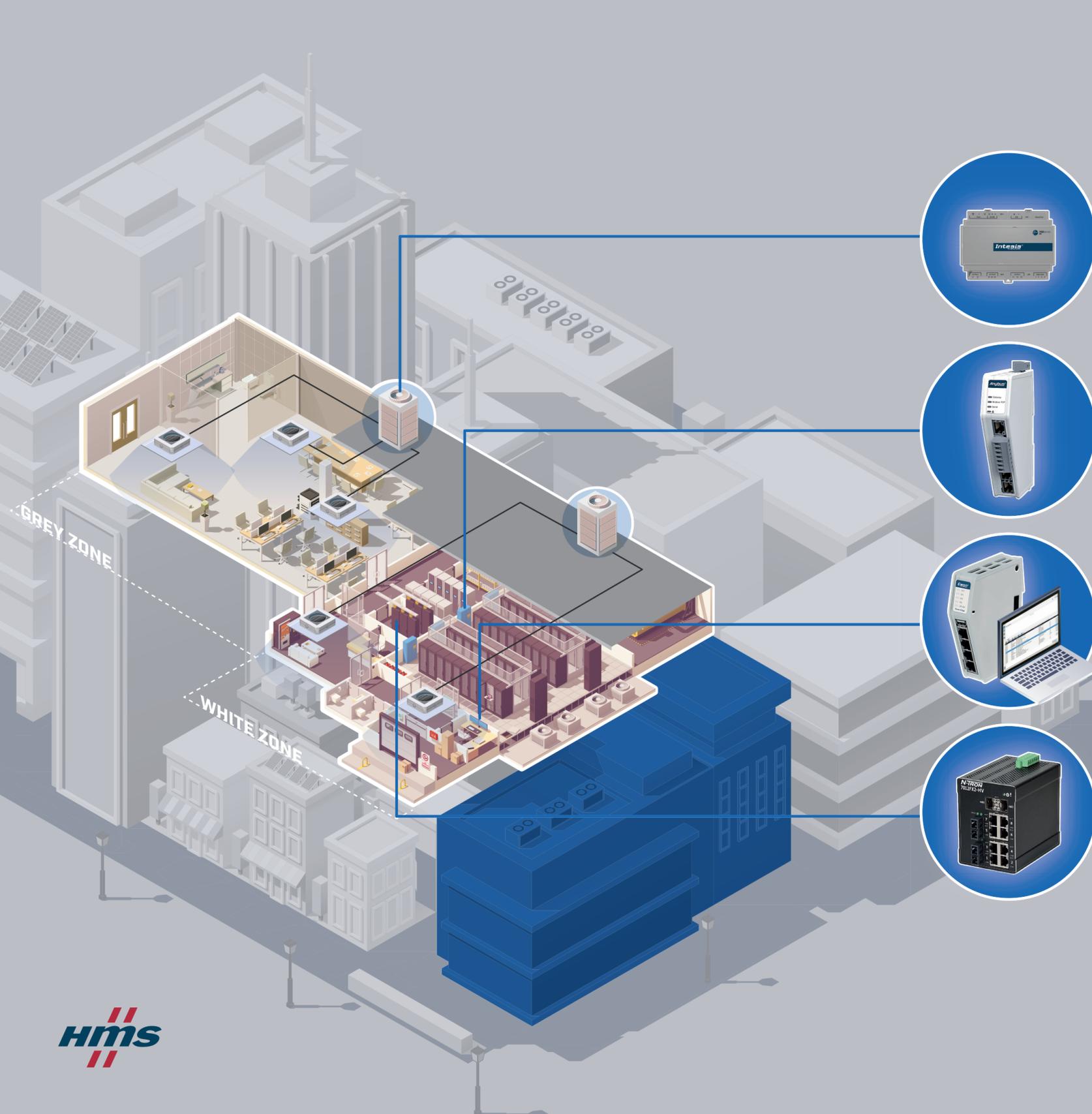
N-Tron
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DATA CENTER

From HVAC to network connectivity, HMS supports every layer of your data center.



**Serie 700 gateways
Climate Control & Energy Efficiency**



HMS Products

Intesis 700 Series Gateways integrate mixed HVAC systems into one control layer. Delivers unified visibility and precise cooling across multiple indoor units or multiple vendor types, improving stability and reducing inefficiencies across diverse data-center environments.

Supported Equipment

- VRF/VRV Systems
- Split, multi-Split, and 8 heat pumps units
- Chillers, AHUs, or FCUs with native Modbus
- BACnet, Modbus, or KNX Systems
- Vendor-specific HVAC buses

Data Center Benefits

- Multi-unit, multi-brand, multi-protocol capabilities
- Uniform visibility of temperatures, modes & alarms
- Enables precise cooling in grey spaces
- Supports stable rack inlet temperatures
- Reduces overcooling and improves cooling efficiency



Industrial Connectivity & Protocol Gateways



Anybus Gateways bridge power, cooling, and facility systems across protocols. Provides real-time, normalized data so operators can coordinate energy use, improve efficiency, and support PUE-driven performance targets.

- UPS systems & PDUs
- CRAC/CRAH, Chillers & cooling towers
- Industrial Ethernet, serial devices, meters, and breakers
- Generators & transfer switches
- Building Management Systems (BMS/DCIM)

- Unifies cooling, power & IT metrics for PUE analysis
- Enables coordinated energy-efficiency control actions
- Integrates legacy and modern equipment
- Provides normalized, real-time operational telemetry
- Supports KPI-driven optimization and trend visibility



Industrial Edge Gateway & Remote Connectivity Platform



Ewon FlexEdge offers secure remote access and data collection for distributed teams. The remote connectivity platform enables 24/7 visibility and troubleshooting of power, cooling, and automation systems without increasing onsite staffing.

- Power distribution equipment
- Cooling systems (CRAC/CRAH/VRF)
- Generators & switchgear
- Environmental sensors
- Industrial controllers (PLC/RTU)

- Enables secure 24/7 remote troubleshooting
- Reduces onsite interventions & staffing pressure
- Provides encrypted access for distributed teams
- Consolidates multi-vendor equipment data
- Supports proactive maintenance through alarms & historian logs



Industrial Ethernet Switches (Rugged OT Networking)



N-Tron Industrial Ethernet switches are built for reliability. Provide redundant, resilient networks for OT and facility systems, ensuring continuous operation and supporting OT/IT convergence.

- BMS & DCIM networks
- HVAC controllers & gateways
- Electrical distribution systems
- Security & access control systems
- PLCs, meters, sensors, remote I/O, and field devices

- Ensures network resilience for OT/IT convergence
- Designed for harsh, electrically noisy environments
- Supports redundant topologies to maintain uptime
- Minimizes risk of single-point network failures
- Provides deterministic performance for control systems