



AERIS SMARTHUB™

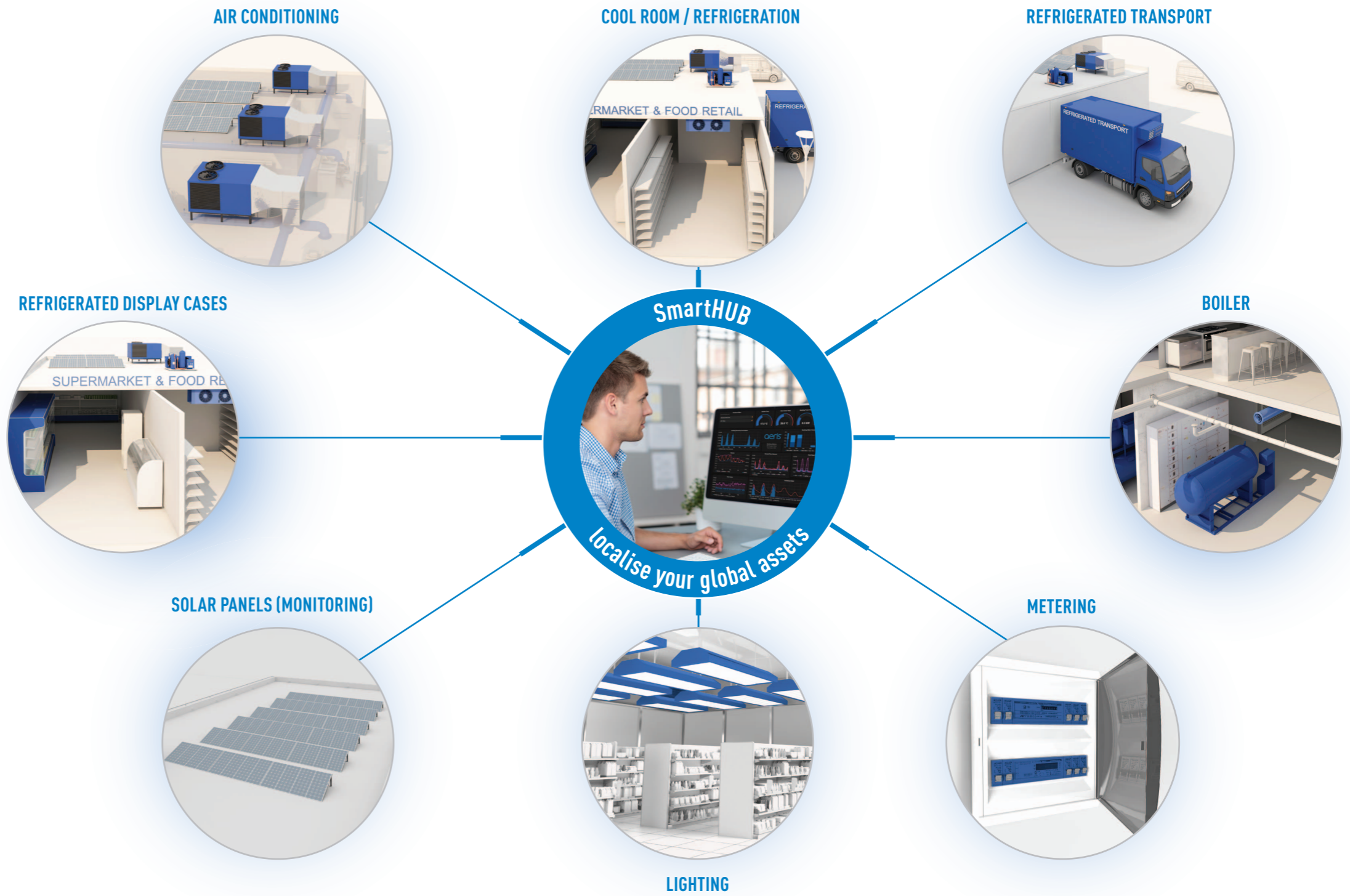


SMARTHUB™ REAL TIME COMPRESSOR OPTIMISATION AND ASSET MANAGEMENT LEADS THE WAY

Aeris SmartHUB™ combines real time monitoring, control and dynamic compressor optimisation to deliver measurable, instant and long lasting results – providing significant energy efficiency, demand management, performance, tracking and cost control for your assets.

Monitor, control and optimise your assets with Aeris SmartHUB

SMARTHUB™ REAL TIME OPTIMISATION AND ASSET MANAGEMENT



- 
 Centralised asset management
- 
 Reduce operating costs and electricity usage
- 
 Better temperature control and occupant comfort
- 
 Optimises compressor operation with real-time dynamic demand management
- 
 Real time monitoring, control and optimisation
- 
 Anytime, anywhere access on any device
- 
 Plug and play technology can be retrofitted to most air conditioning and refrigeration equipment
- 
 3G/4G - wi-fi, connections

REAL TIME CONTROL AND/OR OPTIMISATION WITH AERIS SMARTHUB™

The proprietary Aeris SmarthUB™ combines multiple device, 'internet of things' functionality into one easy to install and use form factor. With 2 way communication allowing real-time system control, optimization, measurement, verification and reporting alongside our pioneering compressor optimization algorithm.

Choose from 3 configurations for your device or assets

1

Standalone Device or Asset Controller

Options include :

- (a) 24/7 time control
- (b) Temperature control
- (c) On/off functionality
- (d) I/O functionality for external devices (sensors)
- (e) Up to 2 stage Heat / 2 Stage Cool
- (f) RS 232, 485 / Modbus Interface

2

Controller + Optimisation (HVAC or Refrigeration)

- (a) All options included in 1, plus
- (b) The ability to optimise and reduce energy consumption
- (c) Optimise demand management
- (d) Provide I/O visualisation of data & Functionality

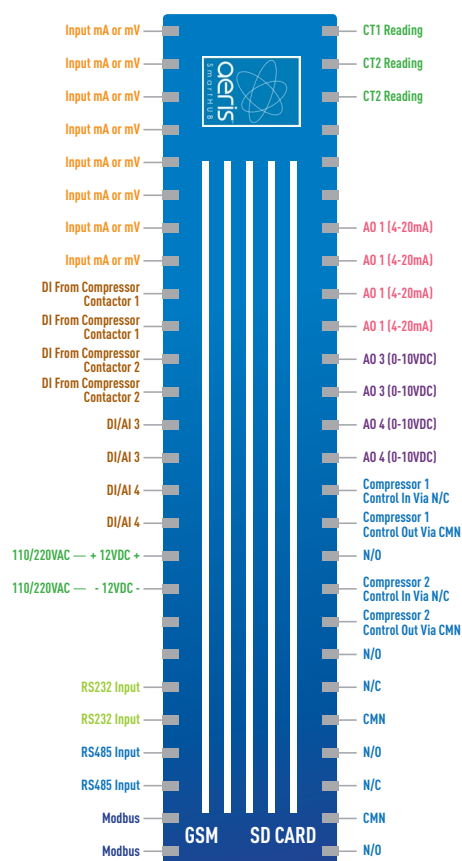
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Inverter unit Optimisation

- (a) All options included in 1, plus
- (b) Optimisation of demand management

Benefits

- Cost effective and cash positive solution with innovative commercial structure.
- Generates actionable and measurable data, insight and savings.
- Asset level solution allowing targeted reporting, control and optimisation.
- Retrofit solution bringing cutting edge internet of things compatibility to existing and aged plant.
- Compatible with most air conditioning, refrigeration, building management and control brands and technologies.
- Can act as a primary or secondary (asset level) controller.
- Compatible with all major third party sensor types and communication languages/protocols.
- Securely sits on existing corporate communication networks or can be independent (3G/4G - wi-fi etc).
- Generates significant energy efficiency and demand management by better matching the heat load using real-time dynamic compressor optimization algorithms.
- Significantly extends asset life cycle and brings down total cost of ownership.
- Reduce carbon and increase environmental footprint through efficient assets.
- Can simultaneously communicate with electrical meter, water meter, boilers, variable speed drives and other equipment.



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