HVCAR Control & Monitoring Solutions for the Cold Chain

Resource Data Management

Control and Monitoring

ActiveFM™

Enterprise Remote Monitoring FM Software

ActiveFM is a web-based remote monitoring platform. It helps ensure HVACR systems are running smoothly provides alert/alarm handling options, and offers energy management capabilities. It provides analytical tools, and warnings, and it alerts users to critical HVACR system alarms in real-time. This helps to prevent equipment breakdowns, ensure temperature compliance, and reduce energy costs.

DMTouch

Front-End Control and Monitoring

DMTouch provides a central control and monitoring point for HVAC, refrigeration and lighting assets. It can integrate with third-party devices and HVACR infrastructure via open protocol communication. DMTouch can play a central role in energy management. It monitors metered consumables, predicts budgets, displays energy usage trends, and issues high-consumption warnings. DMTouch also offers control features to reduce refrigeration energy consumption, predict plant failures, and ultimately, reduce the carbon footprint of a refrigeration system.

Intuitive

HVAC, Refrigeration, Lighting Control

Available with RDM's PLC software TDB built-in, Intuitive controllers provide precise control of HVAC or refrigeration systems and energy regulation for various refrigeration applications. It's easy and fast to install Intuitive controllers due to their flexible nature, quick set-up options, and web-based access to their software.

TouchXL

HD Multi-Touchscreen Controllers

TouchXL provides a remote user interface for RDM's front-end DMTouch and the Intuitive range. It is also available as a standalone HVACR controller and display in one. TouchXLs can be mounted at an easily accessible location to access the HVACR control and monitoring system from a user-friendly interface.

Mercury

HVAC and Refrigeration Temperature Control

Mercury controllers have six control applications for a quick setup: HT/LT control of integral cabinets, piped cabinets, and coldrooms. They can generate alarms based on pre-set temperature parameters to support food safety compliance. Energy-saving features are included such as trim level control and defrost skip.

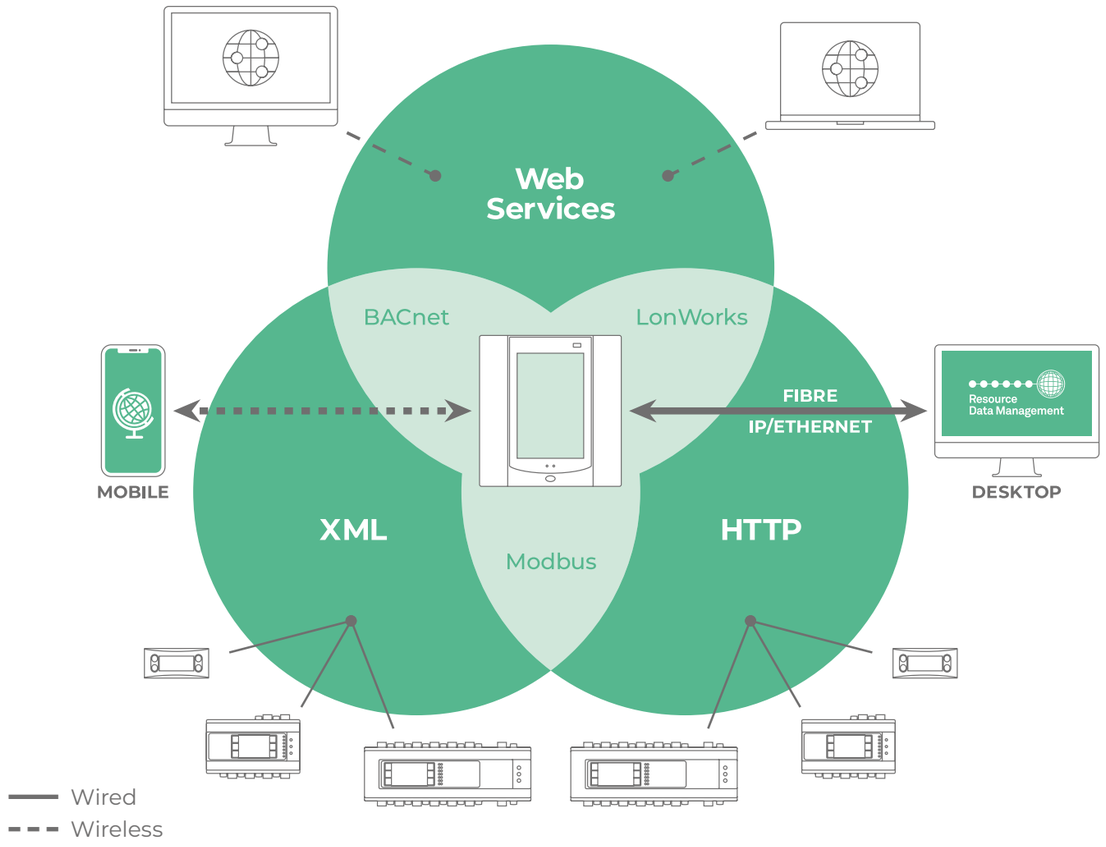
Coldroom Panel

HT/LT Coldroom Control

Designed for use in either low or high-temperature coldroom applications. Options allow for the control of LLV, PWM EEV or Stepper EEV refrigeration valves. The Coldroom controllers come with pre-set parameters and configurations for temperature control and monitoring as well as food safety and HACCP compliance. Defrost skip and real-time clock features contribute to energy savings.

IoT Integration & Networking Across Truly Open Protocols

Communication between RDM devices is based upon truly open protocols, using XML and HTTPS, to provide unmatched control and communication options. Offering Fibre and Bluetooth options, in addition to industry standard networking options, our aim is to simplify the communication process to make it as efficient and cost-effective as possible.



Truly Open Protocols

Non-Proprietary Protocols

IP, XML, and HTTPS are genuinely open, they have no hidden membership costs. Overcoming the challenges presented by legacy investment, we provide the capability to communicate with existing HVAC and refrigeration equipment via non-proprietary networks including BACnet, Modbus, and LonWorks. Open protocol systems offer a higher degree of flexibility and don't lock users in.

- **Open web-based format**
- **Integrate with third-party systems**
- **No annual subscription fee for device integration**
- **Reduced cost of linking equipment on-site**
- **Reduced installation and set-up time**
- **IP at device level since 2004**

SOLUTIONS FOR . . .

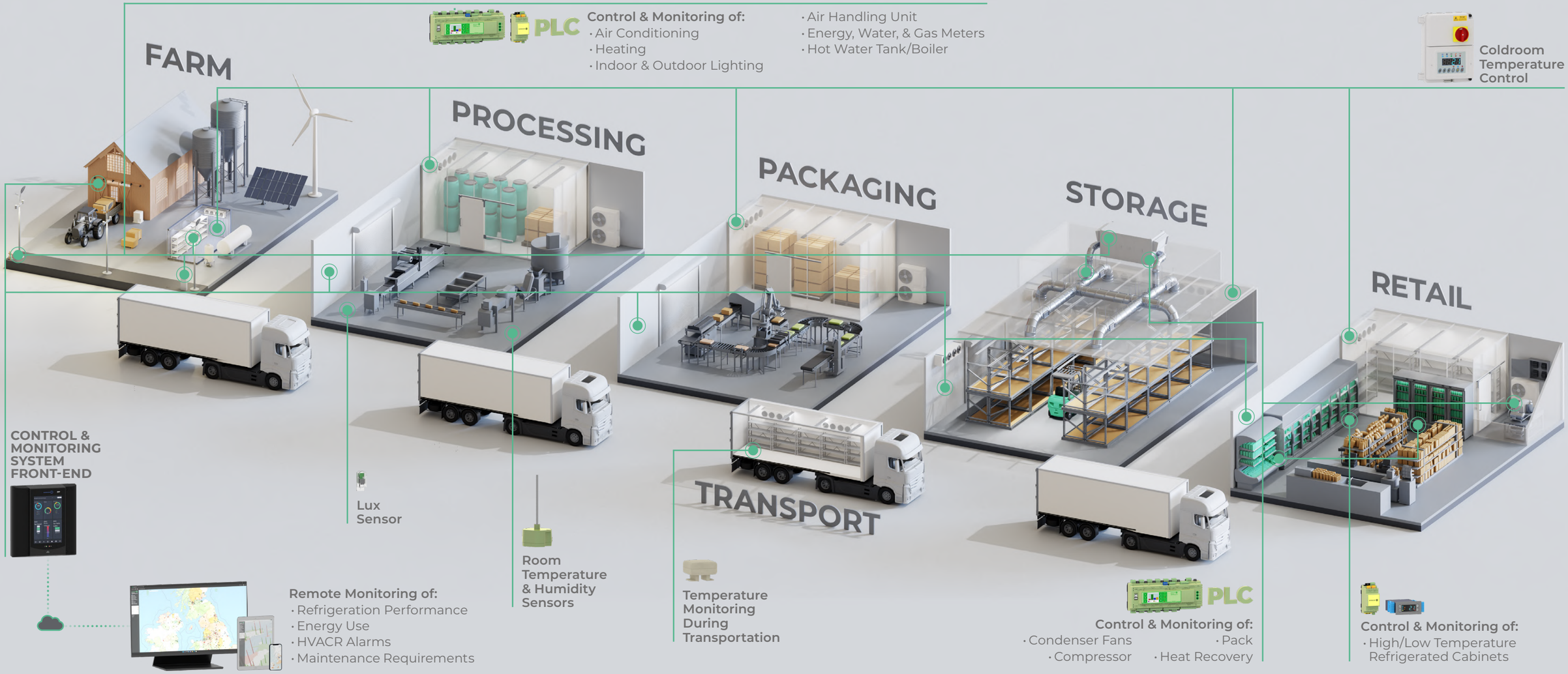
REFRIGERATION

Stable, reliable temperature regulation in cold storage and transportation ensures food safety regulatory compliance, reduces stock loss and saves operating costs. Eliminating food waste is a key element to lowering the industry's greenhouse gas emissions and ensuring that the food industry is resilient in times of crisis. RDM's refrigeration solutions are designed for optimal refrigeration performance to prevent food waste and ensure efficiency.

SOLUTIONS FOR . . .

ENERGY MANAGEMENT

Increased energy efficiency is vital to reduce operating costs and carbon footprint. RDM solutions are based on the principle of streamlining efficiency. From implementing efficient automation strategies, to energy management software and statistical consumption analysis, our solutions are proven to reduce energy use and carbon footprint.



SOLUTIONS FOR . . .

DATA-LED DECISIONS

Having data available is essential to understand where inefficiencies lie and which parts of the system need to be improved to achieve net zero. Crucial for the cold chain are data on refrigeration system performance, f-gas usage, HVAC equipment, and energy consumption. Data on HVCAR system performance also facilitates predictive maintenance which helps to prolong equipment lifespan. It reduces maintenance and operating costs as well as operational energy.

Our control and monitoring system front-end DMTouch can integrate with third-party sensors and therefore collect and present data from a wide range of devices. It can monitor refrigeration gas leaks and energy consumption, generate door open alerts for coldrooms, and monitor refrigeration and HVAC system performance. Businesses can use this data to make the correct interventions that help increase the sustainability of their facilities to reach net zero.

SOLUTIONS FOR . . .

MONITORING

Remote monitoring helps businesses increase operating efficiency, lower energy use, and prolong HVACR equipment lifespan across sites in multiple locations. In the cold chain especially, businesses can monitor cold storage temperatures, HVACR system performance and alarms, refrigerant gas leaks, and energy use. Monitoring these aspects and analysing the resulting data allows businesses to improve operating processes, increase sustainability and work towards net zero. Cold chain businesses can have complete insight into their data and forge closer collaboration amongst the key stakeholders for each site, such as end users, consultants, contractors, and FM teams.

ACTIVEFM™
Enterprise Remote Monitoring FM Software

Resource Data Management

Helping companies stay safety-compliant, protect assets and manage energy, we offer a range of over 800 hardware and software products for HVACR, building and energy control applications. Our solutions are used in many industries including food retail, building management, cold chain, food processing and many more. Users have the option to monitor and control everything from a single component to building-wide energy use, across a national estate and devices worldwide.

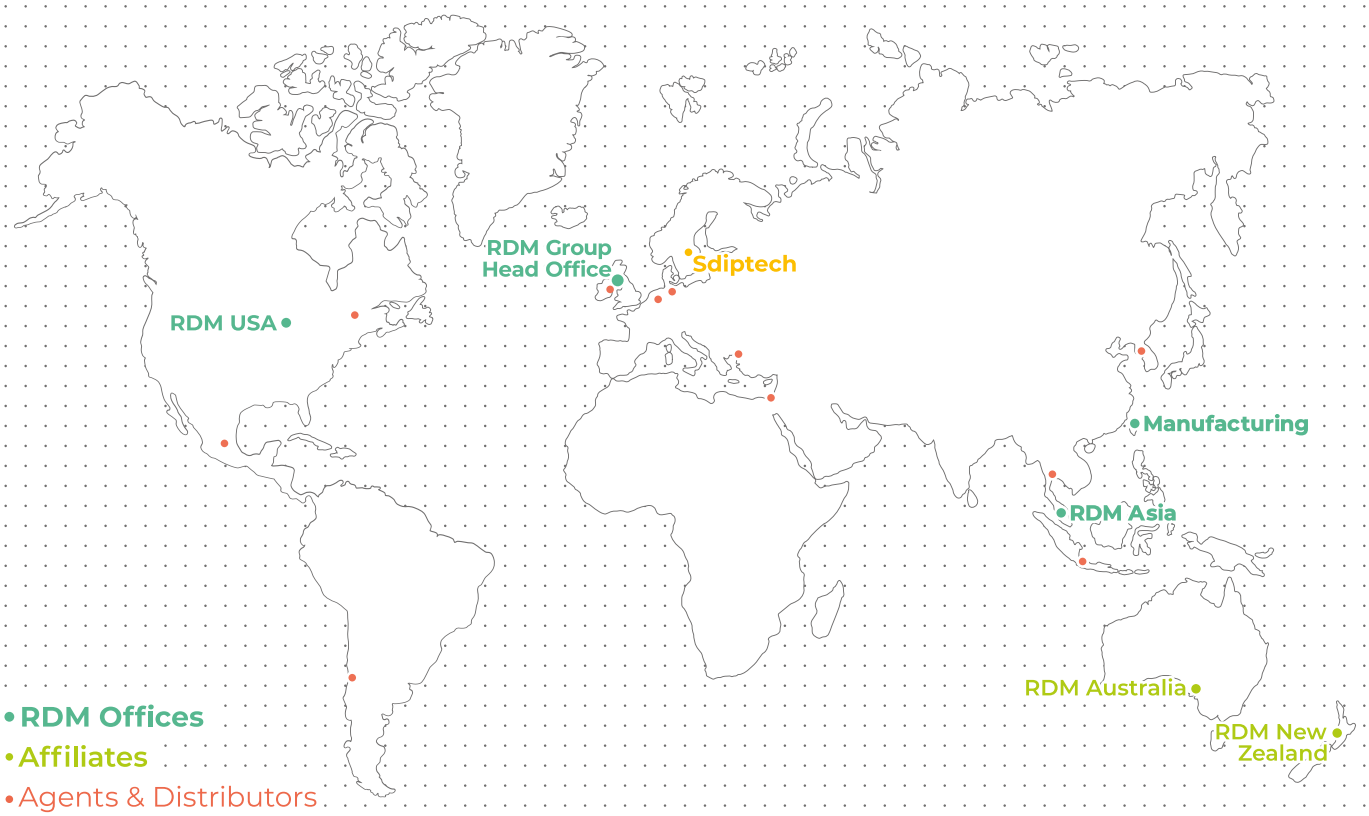
As a pioneer in advocating open control systems at device level, our ongoing push for genuinely open protocols, including XML and web services, has helped our customers save operating costs and optimise control strategies.

Founded in 2000, RDM have expanded over the past two decades. With offices in the UK, US, and Malaysia, as well as affiliates and distributors across the globe. We support customers worldwide.

5YR
Warranty

800+
Products

OPEN
Protocols



SDIPTECH
Parent Company
www.sdiptech.se
Stockholm, Sweden

RDM HEAD OFFICE
+44 (0) 141 810 2828
resource@resourcedm.com
Glasgow, UK

RDM USA
+1 612 354 3923
usasales@resourcedm.com
Minneapolis, USA

RDM ASIA
+603 5022 3188
asiaadmin@resourcedm.com
Selangor, Malaysia

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