



DAIKIN APPLIED (UK) LTD

APPLIED SOLUTIONS

PRODUCTS, SERVICES, AND RENTAL OVERVIEW



AHUs

Chillers

Service

Rentals

Spares

Applied HVAC specialists for complex, large scale projects
Manufacturing AHUs, Chillers, and Heat Pumps for HVAC systems in the UK
Formerly McQuay

Daikin Applied (UK)

Technically better...

Applied HVAC specialists for complex, large scale projects Formerly McQuay

Daikin Applied UK specialises in applied HVAC solutions for commercial and industrial applications across the UK and Ireland. Combining UK AHU manufacturing, Daikin's European chiller and heat pump portfolio, lifecycle services and rental solutions, we support customers throughout the complete HVAC lifecycle.

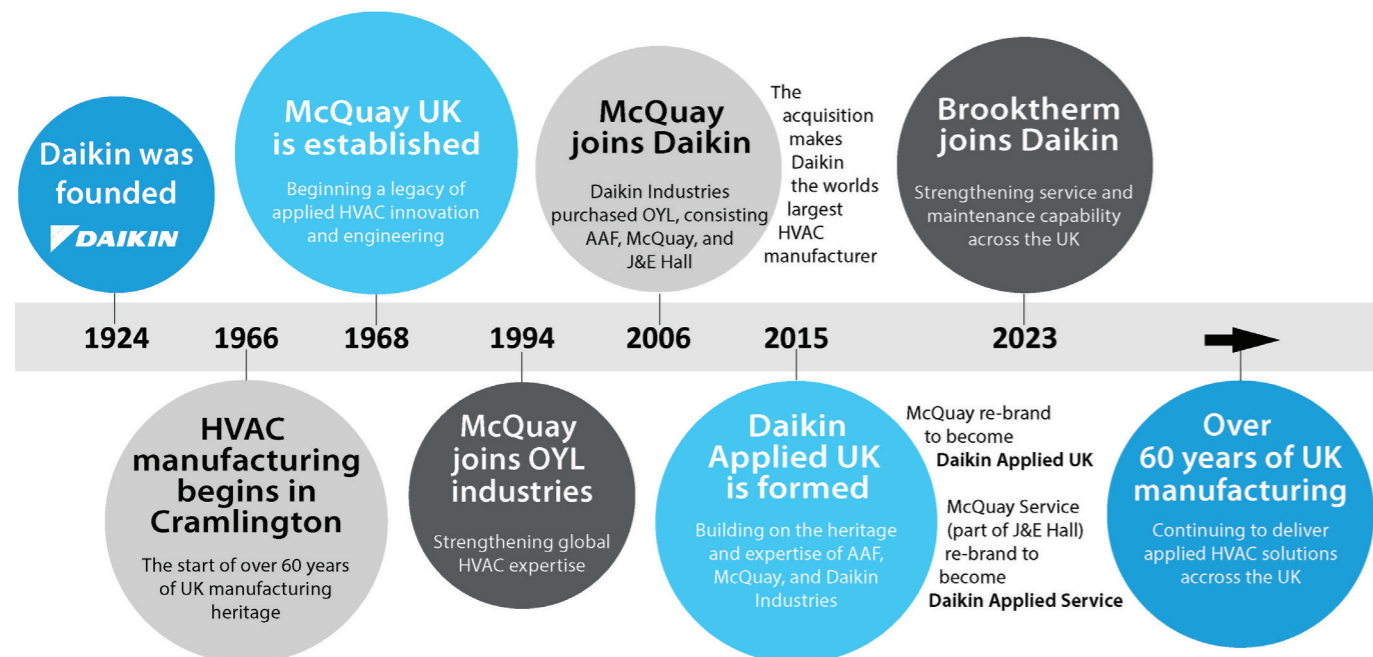
Manufacturing Excellence

- 60+ years of UK HVAC manufacturing heritage
- 30,000 m² AHU manufacturing facility in Cramlington
- Continued investment in advanced technology
- AHUs manufactured in the UK
- Daikin Applied Europe for chillers and heat pumps
- Part of the global Daikin Group



Dedicated Factory Witness Testing Facilities

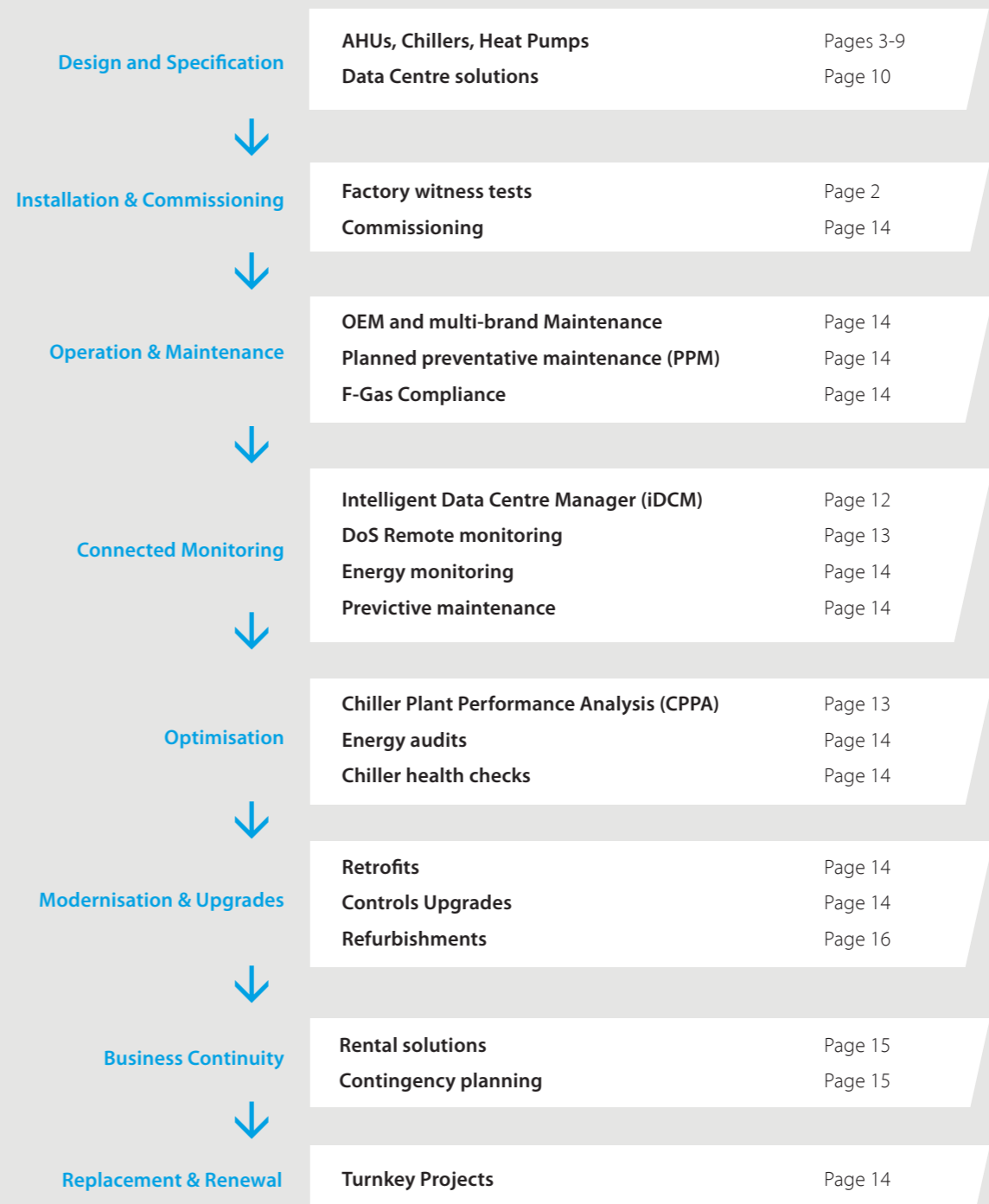
- AHU and chiller performance testing under simulated design conditions
- Testing in accordance with ISO 3744, ISO 5136 and BS EN 1886
- Verified acoustic, thermal and mechanical performance
- Comprehensive performance reports supplied prior to delivery



SUPPORTING YOUR HVAC SYSTEM THROUGHOUT ITS ENTIRE LIFECYCLE

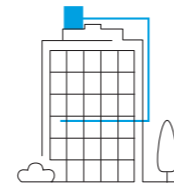
Daikin Applied supports customers throughout the **complete HVAC lifecycle**, from design and specification to maintenance, optimisation, modernisation, temporary rental support and system replacement.

As a **single-source HVAC partner**, we combine high-performance products, connected technologies and lifecycle services to improve efficiency, maximise reliability, extend asset life and support business continuity.



AIR HANDLING UNITS

Centralised ventilation



D-AHU Professional

- Infinite variable sizes
- Tailored to meet any specification



0.21 m³/s
up to 40 m³/s



D-AHU Modular R

- Pre-configured sizes
- Plug and play concept
- EC Fan technology
- Heat recovery wheel (sorption and sensible technology)
- Modular design
- Compact footprint



0.14 m³/s
up to 6.94 m³/s



D-AHU Modular P

- Pre-configured sizes
- Plug and play concept
- EC Fan technology
- High efficiency aluminium counter flow PHE
- Modular design
- Compact footprint



0.14 m³/s
up to 6.94 m³/s



HTM-Pro T Series

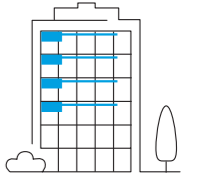
- 5 pre-configured sizes
- Plug and play controls
- EC Fan technology
- HTM 03-01 compliant
- Compact footprint
- Widths from 740 mm
- Cabinet style
- Easy maintenance
- Remote monitoring as standard



0.95 m³/s
up to 2.95 m³/s



Decentralised ventilation



Compact R

- 7 Pre-configured sizes
- Plug and play concept
- Extensive accessory options
- Small footprint
- Indoor or outdoor installation
- Rotary heat recovery for sensible and latent heat
- Side duct connections, left or right



0.14 m³/s
up to 1.66 m³/s



Compact T

- 5 Pre-configured sizes
- Top connected heat recovery unit
- Plug and play concept
- EC Fan technology
- Small footprint
- Compact design to fit standard doors
- Water and DX integration
- Wide list of accessories



0.06 m³/s
up to 1.16 m³/s



Compact L

- 6 Pre-configured sizes
- For false ceiling applications
- Plug and play concept
- EC Fan technology
- Pro open platform for smart controls
- right and left configuration
- VD16022 compliant



0.06 m³/s
up to 1.11 m³/s



All AHUs available with **Daikin on Site** active remote monitoring, page 13

AIR COOLED CHILLERS

Support this equipment throughout its lifecycle with Daikin Applied Service - see page 14

All chillers available with **Daikin on Site** active remote monitoring, page 13

	Refrigerant type *	Refrigerant circuits	Inverter	Free cooling	Compressor			Water heat exchanger		Efficiency version				Sound version									
					Swing	Scroll	Screw	Plate**	Single pass shell and tube	Blue	Silver	Gold	Platinum	Standard	Low	Reduced	Cooling capacity (kW)	Heating capacity (kW)					
Cooling only																0	17.5	200	500	1,000	2,000		
EWAA-DV3P		R-32	1	•	•			BPHE		•			•			4.5~5.4							
EWAA-DV3P-H/ DW1P-H		R-32	1	•	•			BPHE		•			•			11.0~14.0							
EWAT~CZN/P/H		R-32	1-2	•		•		BPHE		•			•			16.0~90.0							
EWAT-B B		R-32	1-2			•		•		•	•		•	•		76.3~200							
EWAT-B C		R32	1-2			•		•		•	•		•				250~1,010						
EWFT-B C		R32	1-2		•	•		•		•	•		•				250~1,010						
EWAH-TZ D		R1234ze(E)	1-2	•			•	•	•	•	•	•	•				216~1,607						
EWFH-TZ D		R1234ze(E)	1-2	•	•		•	•	•	•	•	•	•				216~1,607						
EWAS-TZ D		R1234ze(E)	1-2	•			•	•	•	•	•	•	•				260~1,905						
EWFS-TZ D		R513A	1-2	•	•		•	•	•	•	•	•	•				260~1,905						
EWAD-TZ D		R513A	1-2	•			•	•	•	•	•	•	•				275~1,950						
EWFD-TZ D		R134a	1-2	•	•		•	•	•	•	•	•	•				275~1,950						
Heat pump																1-2	17.5	200	500	1,000	2,000		
EWYA-DV3P		R-32	1	•	•			BPHE		•			•			4.5~5.4 4.6~7.8							
EWYA-DV3P-H/ DW1P-H		R-32	1	•	•			BPHE		•			•			9.0~14.0 9.0~16.0							
EWYT~CZN/P/H		R-32	1-2	•		•		BPHE		•			•			16.0~90.0 16.0~90.0							
EWYT-B		R-32	1-2			•		BPHE		•	•		•	•		75.0~610 80.0~650							
EWYT-CZI EWYT-CZO		R-32	1-2	•		•		BPHE		•			•			21~64 20~62							
EWYE-CZ		R-454C	1-2	•		•		BPHE		•			•			14~60 18~74							
EWYK-QZ NEW		R290 Propane	2	•		•		BPHE		•			•			90~130 70~100							
EWYD~BZ		R-134a	2-3	•		•		•		•			•	•		247~580 271~618							
Condensing unit																0	17.5	200	500	1,000	2,000		
ERAD~E-		R-134a	1				•			•			•	•		116~488							
Multipurpose unit																0	17.5	200	500	1,000	2,000		
EWYS-4Z		R-513A	2	•		•		•					•	•		400~800 400~800							

* (GWP): R-410A (2,087.5), R-134a (1,430) - ** BPHE: Brazed plate heat exchanger

Find out more at www.daikinapplied.uk/technologies/chillers-heat-pumps

WATER COOLED CHILLERS

All chillers available with **Daikin on Site** active remote monitoring, page 13

Model	Refrigerant Type *	Refrigerant circuits	Inverter	Compressor			Water heat exchanger			Efficiency version			Sound version		Cooling capacity (kW)	Heating capacity (kW)					
				Scroll	Screw	Centrifugal	Plate **	Single pass shell and tube	Shell and tube	Standard	High	Premium	Standard	Reduced							
Water cooled chillers (Cooling only and Heat Pump)															0	17.5	200	500	1,000	2,000	21,800
EWQK-KCWIN	R-410a	1-2		•			•								12~183	15~209					
EWWD~J-	R-134a	1			•		•								120~284	148~354					
EWWH-J-	R1234ze	1			•		•								89~200	107~245					
EWWS-J-	R-513A	1			•		•								115~272	142~388					
EWWT-Q- NEW	R32	1		•			•			•					96~166	110~187					
EWHT-Q- NEW	R32	1		•			•			•					92	106					
EWWD-VZ	R-134a	1-2	•		•			Flooded	•	•	•	•	•			449~2,100					
EWWH-VZ	R-1234ze(E)	1-2	•		•			Flooded	•	•	•	•	•			329 - 1,540					
EWWS-VZ	R-513A	1-2	•		•			Flooded	•	•	•	•	•			440~2,050					
Condenserless chillers															0	17.5	200	500	1,000	2,000	21,800
EWLQ-KCWIN	R-410A	1-2		•			BPHE		•						13.25~61						
EWLD~J-	R-134a	1			•		•		•						109~264						
EWLD~I-	R-134a	1-2-3			•		•		•							315~1,433					
EWLH-J-	R1234ze	1			•		•		•						84~193						
EWLS-J-	R-513A	1			•		•		•						111~268						
Water cooled centrifugal chillers															0	17.5	200	500	1,000	2,000	21,800
EWWD(S)-DZ	R-134a R-513A	1			•			•		•						320 - 1,478					
EWWH-DZ	R-1234ze(E)	1			•			•		•						227 - 945					
DWDC B	R-134a and R-513A	1	optional		•			Flooded		•						2,100~9,000					
DWSC C / DWDC C	R-134a, R-513A and R-1234ze	1	optional		•			Flooded		•						1,050~4,500 2,100~9,000					
6,000 RT CENTRIFUGAL	R-134a	2 per chiller			•			Flooded		•						[2 x 10,900] 21,800					

* (GWP): R-410A (2,087.5), R-134a (1,430), R-407C (1,773.9) - ** BPHE: Brazed plate heat exchanger

DATA CENTRE SOLUTIONS

Supported by **Daikin Applied Service** and **Daikin Rental Solutions** for maintenance, monitoring, contingency planning and temporary cooling.



D-AHU Professional

- Volume 0.21 m³/s up to 40 m³/s
- Infinite variable sizes
- Tailored to meet any specification



Free Cooling Chillers

Daikin TZ-D offers different types of free cooling, including **glycol free** systems. Dedicated data center configuration includes an **integrated active harmonic filter**, directly into the unit's electrical panel to keep compactness.

- Free cooling for lower operating costs
- Compact footprint combined with large cooling capabilities
- Glycol free, free cooling options
- Refrigerants: R-1234ze, R513A, or R134a

Capacities

- Cooling: up to 2150 kW screw up to 1344 kW scroll
- Heating: 15.6 to 27 kW
- Operating range: -30 °C to 55 °C



Water Cooled Trim Chiller Heat Pump

Screw Inverter chiller heat pumps with low environmental footprint. The Inverter-driven screw compressors and VVR technology ensure high energy efficiency, stable performance, and low operating costs.

- Compact, modular design and flexible connections, with easy integration into both new and existing plants.
- Inverter-driven screw compressors and VVR technology.
- Refrigerants: R134a or R-1234ze

Capacities

- Cooling: 330 kW to 2000 kW
- Heating: 400 kW to 2100 kW
- Operating range: 20 °C to 90 °C
- Chilled water: -8 °C to 45 °C



CDU

Direct to Chip Liquid Cooling for Data-Centres and AI-Factories. Compact and powerful, designed to fit any data centre layout, whether in-row, at the end of an aisle, or in a technical corridor.

- High efficiency with low approach temperatures (ATD down to 2K) and IE5 pump motor technology
- Maximum uptime through pump redundancy and hot-swappable components
- Precise TCS loop temperature, flow, and pressure control for AI-driven thermal loads
- Flexible configuration options, including stainless-steel construction, fine filtration, and integrated power resilience features
- Simplified maintenance with front and rear access only

Capacities

- Cooling: Up to 10+ MW by grouping multiple CDUs on a customisable skid

Available in three sizes, 400 kW to over 2.5 MW



Pro C CRAH

Fully flexible and modular Computer Room Air Handling Unit that allows cooling capacity to be scaled easily and precisely. Optimised chilled water heat exchanger, latest-generation EC fan with embedded PFC, and a factory-installed Energy PICV.

- Versatile configuration for raised or hard floor
- Advanced in-house development control solution
- Group operation for reduced operational costs
- Enhanced reliability through ATS & ultracap integration

Capacities

- Cooling: 30 kW to 200 kW



Pro-W Fan Wall

Designed for large and hyperscale requirements – high efficiency design complete with chilled water coil, advanced controls for real-time demand and latest generation EC fans. 4 standard sizes.

- Compact unit
- Direct cooling for:
 - Higher energy efficiency
 - Lower capital investment
 - Better system stability
 - Temperature stability
- Standard right and left configuration
 - side and top coil configurations
- Easy maintenance with:
 - Front access filters (G4)
 - Critical spaces (EC motors, filters, sensors)

Capacities

- Cooling: 175 to 500 kW



Pro-W Slim

Designed for air & hybrid cooled Data Centres. Delivers high cooling capacity with superior energy efficiency, significantly reducing power consumption and operating costs.

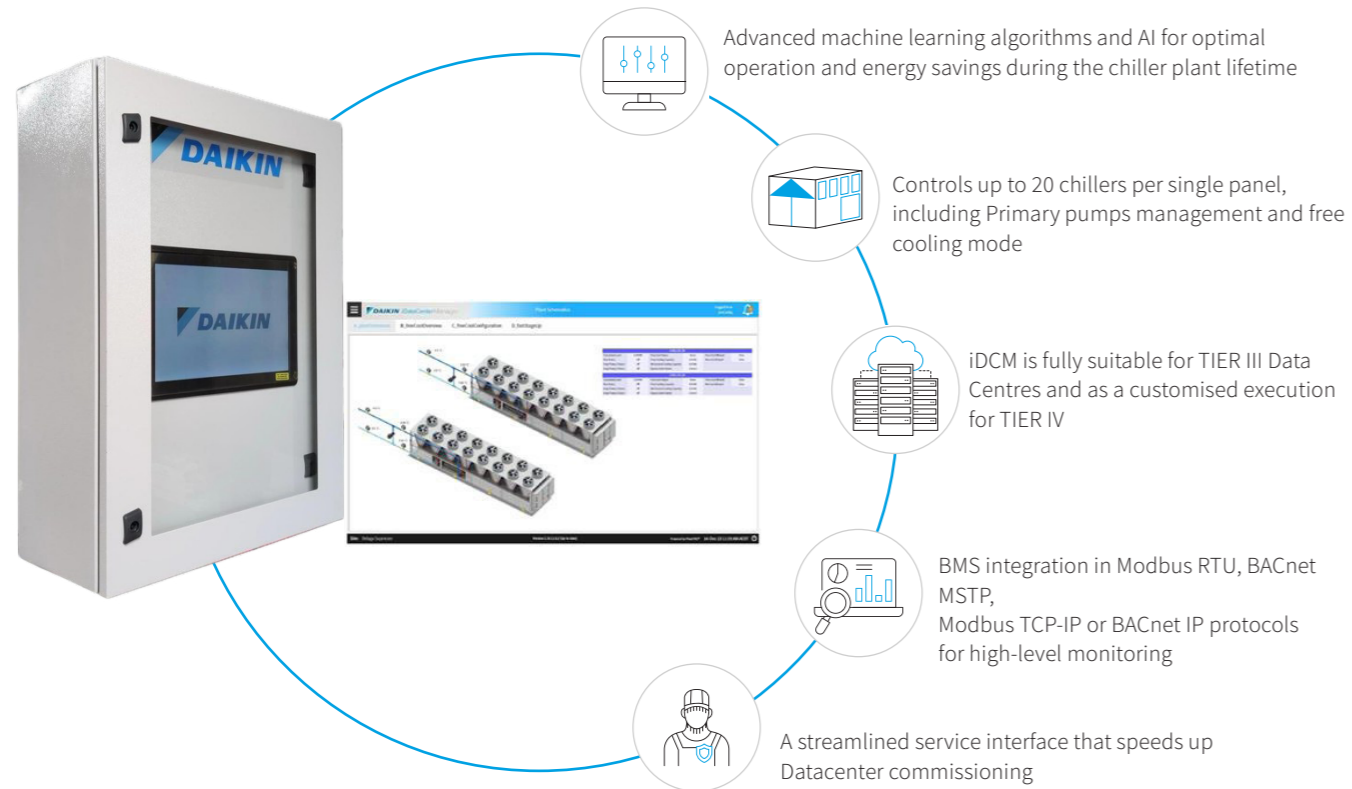
- Smallest footprint on the market
 - Manufactured in accordance with EN 1886
 - 100% DX heat pump
 - High efficiency EC fans
 - Integrated switchboard
 - DH Reheater
 - Microcell filters
 - Steam humidifier option of integrated or installed in the building

Capacities

- Cooling: 100 kW to 150 kW
- Volume: 0.55 to 4.7 m³/s

INTELLIGENT DATA CENTRE MANAGER (iDCM)

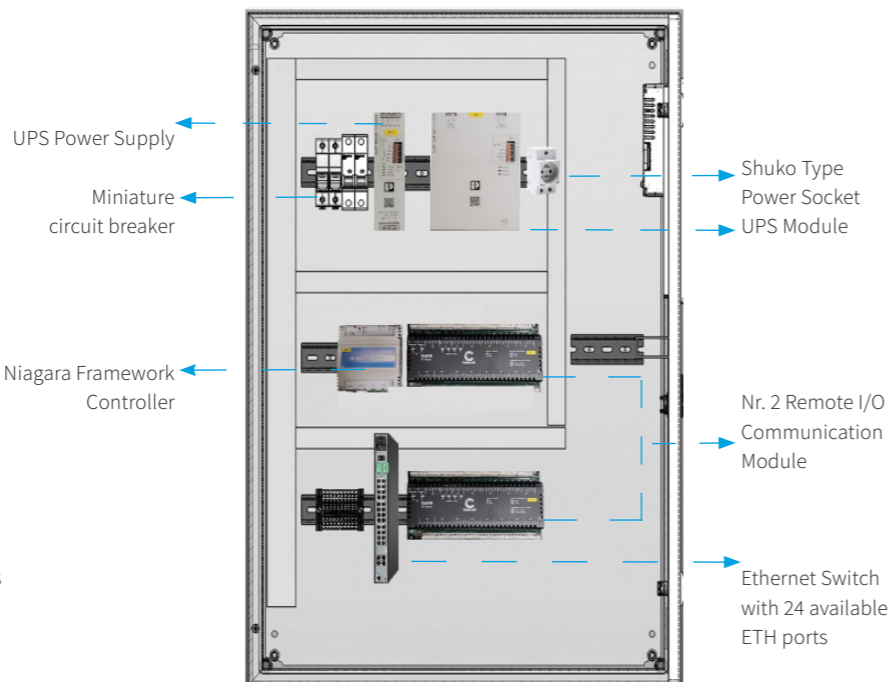
Data Centre optimisation and controls. iDCM sets a **new benchmark** for external chiller management system in modern Data Centres.



Key Benefits

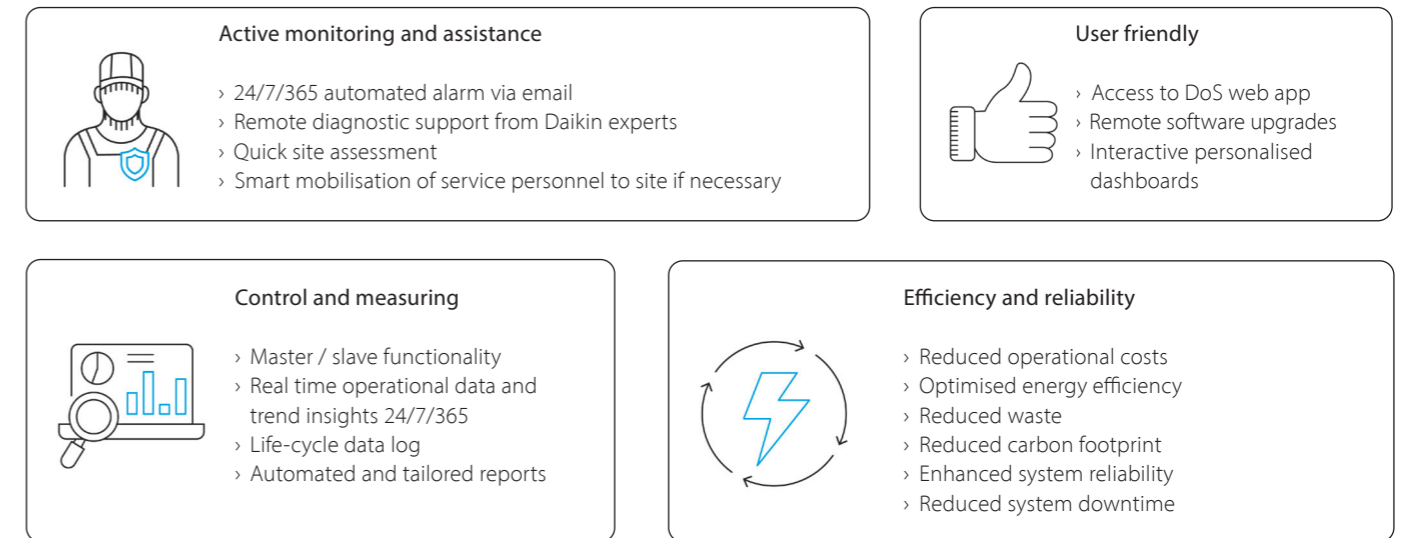
- Reducing Datacenter PUE by **optimising chiller plant efficiency**
- Two optional configurations available: **Mild redundancy or Full redundancy**
- Reducing required field sensors by **40%** through the integration of iDCM with **Daikin chiller embedded control logic**

Control panel internal components



DAIKIN ON SITE REMOTE MONITORING

Connected monitoring and optimisation for HVAC systems across all sectors. Daikin on Site offers real-time data access combined with expert support. This allows us to identify cost-saving opportunities and proactively address potential issues - ensuring reliable operation and peace of mind.



Main features	Description
Datapoints	Up to 500 datapoints from the unit for monitoring
Data Storage	10-years of storage for historical datapoint values
Reporting	Reports for comprehensive data analysis and visualisation
Core Features	
Map & KPI	Map overview with quick KPI indicators for a snapshot of performance metrics. Visually track selected KPI trends
Remote Alarm Notification	Email notifications when alarms occur, keeping users promptly informed of any issues
Alarm Dashboard	Overview of alarm troubleshooting and ticket management
Datapoint List	Provides datapoint details for each chiller and Air Handling Units (AHUs) in the plant
Dashboard	Graphical overview of the unit operations
Scheduler	Enables schedule start and stop times for the unit operations
Advanced features	
Leak Detection	Designed to identify and locate refrigerant leaks or insufficient level of refrigerant
Predictive	Advance algorithm to predict failure by processing historical data

CHILLER PLANT PERFORMANCE ANALYSIS (CPPA)

Uses real operating data to build an accurate picture of system performance under actual site conditions. Supporting data-led decision making through measurable energy, cost and performance improvements.

What we assess

- Chiller operation and load profile
- Controls strategy and sequencing
- Energy use and system behaviour
- Plant condition and optimisation opportunities

What you'll receive

- Detailed system performance assessment
- Quantified energy and cost saving opportunities
- CO2 reduction analysis
- Lifecycle cost and efficiency insights
- Clear recommendations for optimisation or upgrade

INTEGRATED SERVICE SOLUTIONS



Whenever, wherever, however you need us

PROACTIVE SERVICE & MAINTENANCE

- Commissioning
- Eddy current tube testing
- Oil and vibration analysis
- Chiller health checks
- Daikin OEM maintenance programs
- 3rd party maintenance programs
- F-Gas compliance check
- Energy audits
- Planned preventative maintenance (PPM)
- Virtual maintenance visits

OPTIMISE

- Compressor overhauls
- Chiller upgrade programs
- Planned preventative maintenance (PPM)
- CPPA (chiller plant performance analysis)
- Coil protection coating

MODERNISE

- Controls system upgrades
- Heat recovery retrofits
- Inverter retrofits
- Controller upgrades
- AHU upgrades and refurbishments (page 16)
- Expansion valve retrofits
- Energy metering kit
- Refrigerant conversions
- VRV compressor retrofit

CONNECTED SERVICES

- DoS Remote Monitoring (page 13)
- Virtual maintenance visits
- Energy monitoring
- Predictive maintenance
- DoS chiller reports
- 3rd party chiller monitoring

RENTALS

- Temporary cooling, heating, air handling, and power
- Turnkey solutions
- Remote monitoring
- Contingency planning
- Rapid response

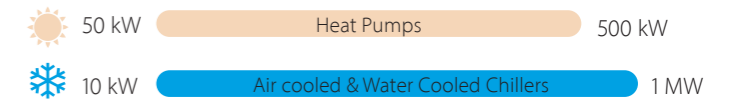
SPARE PARTS

- Spare parts and components with next day delivery
- OEM parts for Daikin and McQuay products
- Expert advice from Daikin qualified engineers

TURNKEY PROJECTS & REPLACEMENTS

- Turnkey chiller projects
- AHU replacement projects
- Control systems

RENTAL SOLUTIONS



Daikin Rental Solutions offers **turnkey solutions**, undertaking delivery, assembly and connections of the plant, as well as start-up and monitoring.

- Daikin on Site, active remote monitoring as standard
- Minimise downtime with a contingency plan
- UK-Wide Engineer Coverage
- Standby cooling for critical systems
- Emergency cooling support
- Climate Control for Events
- Solutions for cooling load fluctuations
- Cooling supply during planned shutdowns and outages

Chiller Hire

- Air cooled - 30kW to 1MW
- Water cooled - 10kW to 1MW
- Plug & Play & BMS Integration
- Remote monitoring

Dry Air Cooler Hire

- Closed-loop system with zero water usage
- Glycol-compatible, ideal for process industries
- Low acoustic profile for sensitive environments
- Manufactured by Daikin

AHU Hire



- 100kW and 150kW standard AHUs
- 50kW Vertical AHUs
- 25kW and 50kW Low Temp AHUs
- Suitable for healthcare, food production, and cleanrooms
- Optional HEPA filtration and hygiene-compliant designs

Process Cooling

- Supports critical applications
- Chillers, AHUs, tanks, pumps, and ducting
- Rapid-response turnkey delivery and setup

Air Source Heat Pump Hire

- 50kW to 500kW modular systems
- Both heating and hot water
- Suitable for healthcare and high-care
- Remote monitoring

Boiler Hire

- Oil fired, gas, & electric
- Capacities from 50kW to 1MW
- Plug-and-play configuration
- Quiet models suitable for occupied buildings

IDF Heater Hire

- Available in 70kW, 150kW, & 200kW
- Fume-free, thermostatically controlled heating
- Best for construction sites, warehouses, and event venues

Comfort Heating

- Portable, low-noise solutions
- Suitable for offices, events, retail, and temporary facilities
- Quick deployment and scalable coverage



Turnkey Solutions

- Contingency planning
- Hassle-free quoting
- Full maintenance support
- Remote monitoring
- Swift off-hire and removal
- Ancillary equipment supplied
- Turnkey project management

AHU REFURBISHMENT

Extend the operational life of existing AHUs by 10–15 years while improving efficiency, reliability and compliance - for ALL BRANDS of HVAC equipment



Fan upgrades to EC fan arrays

- Higher efficiencies
- Significant energy & CO2 savings
- Additional redundancy



Damper replacement

- Re-established airflow set-points are at the lowest pressure drop



Filter replacement

- More effective filter solutions
- Significant impact on IAQ and system pressure drop



Panel replacement

- Improve casing leakage and thermal performance
- Align to the latest specifications such as HTM-03-01, BS EN 1886 T2/TB2 and Euroclass A insulation



Coil replacement


- Re-established optimal performance
- Address set point parameters changes
- Significant cost savings with DX coils




- Controls
- Individual component or full system upgrades
- Re-commissioning
- Reduce overall energy consumption
- Daikin on Site active remote monitoring



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 www.daikinapplied.uk
www.daikinrentalsolutions.uk

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Daikin Europe N.V. participates in the Eurovent Certified Performance programme for Fan Coil Units and Variable Refrigerant Flow systems. Daikin Applied Europe S.p.A participates in the Eurovent Certified performance programme for Liquid Chilling Packages, Hydronic Heat Pumps and Air handling Units. Check ongoing validity of certificate: www.eurovent-certification.com

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