MITSUBISHI ELECTRIC

Changes for the Better

DATA CENTRE SOLUTIONS

TOGETHER, WE CAN BUILD BETTER

Mitsubishi Electric Data Centre Solutions

Your one-stop solution for critical power and cooling

Mitsubishi Electric delivers integrated, smart, secure, and sustainable power and cooling solutions tailored to your facility's needs. Our products maximise uptime and power quality whilst minimising and optimising Power Usage Effectiveness (PUE) ensuring a seamless balance between total facility power usage and non-IT load consumption.

Our core values

Quality in pursuit of perfection

Backed by a legacy of excellence since 1921, our solutions reflect our commitment to superior quality and reliability.

A partnership of excellence

We collaborate closely with you as a trusted partner to overcome challenges and achieve optimal solutions.

Building better together through teamwork

By leveraging our EMEA network, we deliver customised solutions that meet your specific needs.

5 keys of our solution

1

Environmental performance

With Sustainable Development Goals (SDGs) in the spotlight, eco-friendly green data centres have become the trend. Mitsubishi Electric has improved the energy-saving performance of computer room air conditioners (CRAC), air handling (CRAH), UPS, VFDs, and other equipment. Additionally, the monitoring and control system visualises and analyses energy efficiency, resulting in a high level of environmental performance.

2

Running cost reduction

Through meticulous research and design, our air conditioning and hydronic systems leverage advanced technologies to enhance efficiency, maximise uptime, and reduce maintenance. Features like inverter-based compressor designs and advanced management controls ensure optimal performance, aligning with white space needs and significantly lowering annual operating costs while improving energy efficiency.

3

Space flexibility

Efficient use of space is a key differentiator for data centres. Equipment such as UPS and air conditioners use a modular design that allows for flexible deployment. This enables more accurate use of space while maintaining the same level of performance.

4

Total solution

We offer comprehensive support for data centre infrastructure, including DCIM, IT cooling, UPS systems, power distribution solutions, and a range of other essential products. In addition, our strong engineering expertise in system integration enables us to deliver tailored solutions for your data centre.

5

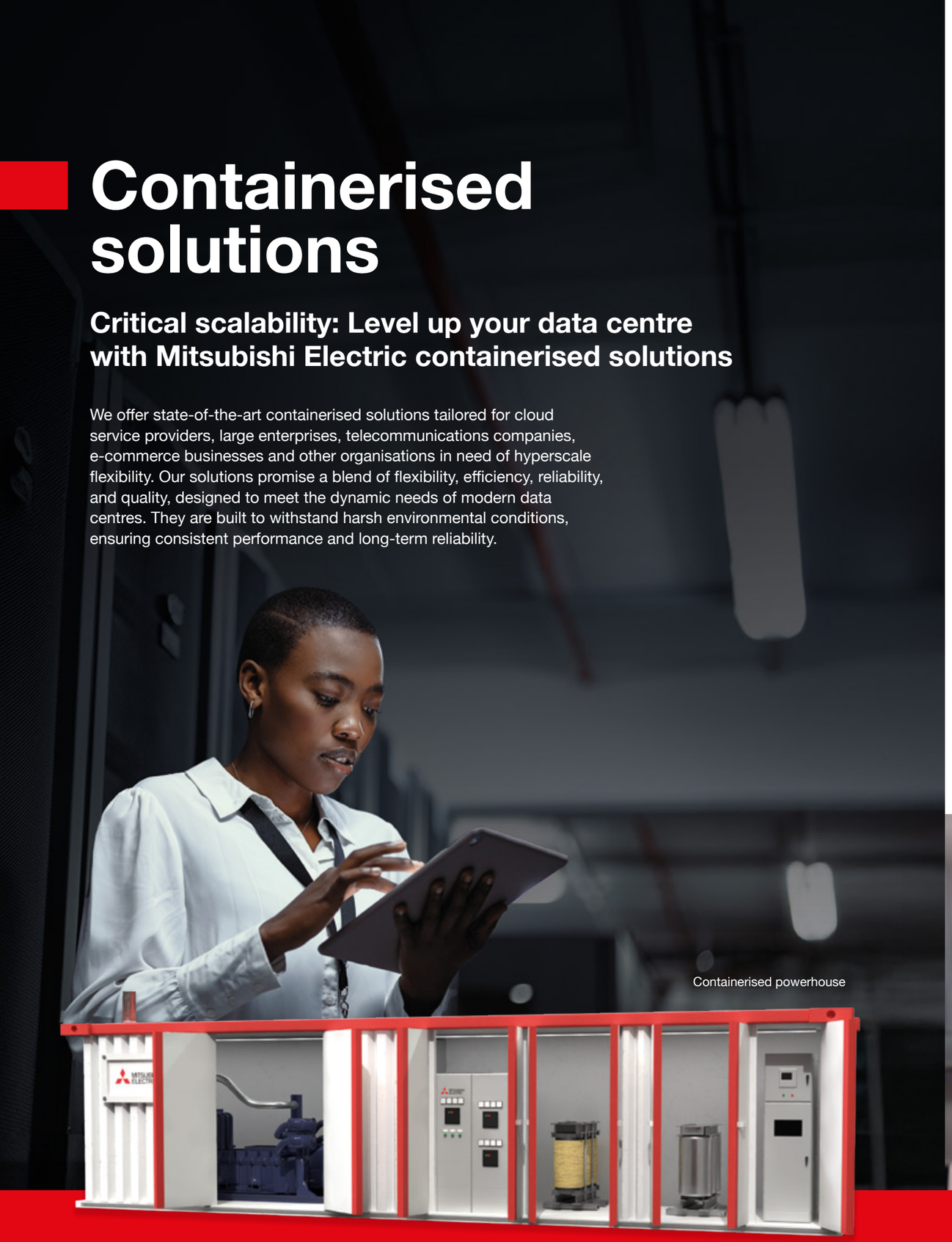
Achievements and reliability

Our mission is to surpass customer expectations by providing comprehensive, high-quality solutions that meet their evolving needs. Through ongoing improvement and innovation, we help our clients remain competitive in an ever-changing environment.

Containerised solutions

Critical scalability: Level up your data centre with Mitsubishi Electric containerised solutions

We offer state-of-the-art containerised solutions tailored for cloud service providers, large enterprises, telecommunications companies, e-commerce businesses and other organisations in need of hyperscale flexibility. Our solutions promise a blend of flexibility, efficiency, reliability, and quality, designed to meet the dynamic needs of modern data centres. They are built to withstand harsh environmental conditions, ensuring consistent performance and long-term reliability.



Containerised powerhouse

Rapid deployment shortening lead times

Time-to-market at the construction site always matters and tight building schedules may sometimes jeopardise workers' safety and workplace environment. Our containerised solution offers off-site building and testing in a controlled factory environment, which significantly reduces lead times and enables customers to meet tight deadlines while prioritising the health and safety of workers.

Modular designs make data centres scalable

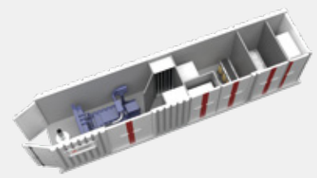
As data centre requirements increase, customers need to think about how to manage the scalability of data centre infrastructure. Our modular designed data centre can be seamlessly added to your existing infrastructure, ensuring smooth expansion and uninterrupted operations. You can also use building-block modules to flexibly customise your data centre layout.

Infrastructure optimisation for lower PUE

Custom layouts and equipment configurations that fit your exact specifications offer seamless integration with existing infrastructure. These customised setups are designed in a way that allows us to easily work together with your current infrastructure, ensuring smooth compatibility and operation without disruption.

Driven by the quest for carbon neutral footprints, digitisation and the adoption of EDGE-Data Centres to cope with high performance computing and AI within the shopfloor allows for heat recovery and various heating scenarios to benefit from the industrial adoption and rural implementation of containerised solutions.

Containerised Solutions



Power Pods E-House

Power PODs/ E-House solutions

Containerised or prefabricated E-houses, also known as Power Optimised Designs (PODs), serve as compact, standalone units that house essential electrical and power distribution equipment. The typical scope is to house transformers, switchgear, UPSs (and also sometimes cooling and backup generators) all within a modular structure that is pre-built and delivered to a data centre site ready for installation in a ‘plug and play’ style.

The evolution of PODs reflects the data centre industry’s shift toward rapid deployment, scalability, efficiency, standardisation and resilience. This is reflected by PODs sourced from Mitsubishi Electric successfully integrating multiple complex requirements by adopting modular designs, integrating high-efficiency equipment, enhancing cybersecurity, and ensuring compliance across regions.

This adaptability has made our PODs indispensable to our clients in today’s data centres, where reliability and flexibility are crucial to meet growing digital demands.

The benefits of Mitsubishi Electric POD solutions

Flexibility and customisation

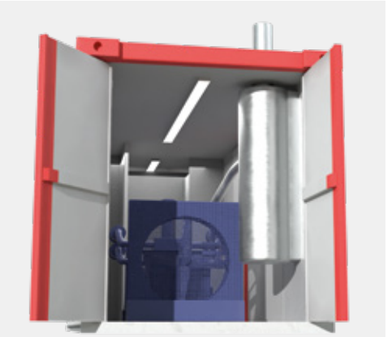
Data centres are no longer ‘one-size-fits-all’, and can vary greatly in terms of power density, layout, cooling needs and geographical location. Our modular units are versatile enough to fit a wide range of operational needs and integrate seamlessly with existing infrastructure. We also stay close to the market and our core customers to design for future scalability and potential upgrades to ensure the unit remains useful over the long term. Modular designs, pre-configured options and field-upgradable units are a few of the benefits we offer.

Fast deployment with minimal onsite work

Data centres are built under tight timelines, requiring POD solutions that can be deployed at speed. This includes prefabrication, assembly, and off-site FAT to ensure quick on-site deployment. We specialise in delivering high-quality, pre-assembled projects that meet stringent standards in off-site facilities. Our expertise extends to transporting large modular units to sites, including those in remote or urban areas with limited access, which can present significant logistical challenges. We focus on standardised fabrication systems, thorough factory testing and certification, and providing the necessary logistics and installation supervision/ assistance services.

Energy efficiency and sustainability

To comply with increasing environmental regulations and the push for sustainability, we incorporate energy-efficient designs and sustainable materials. Additionally, renewables integration, like solar or battery storage, adds complexity to the design and requires specialised components, materials and techniques. We provide highly efficient equipment (transformers, switchgear, HVAC) as well as support for renewable energy integration and select materials that are either recyclable or have a lower environmental impact – always in consultation with the client.



Power Pods E-House

Power Pods E-House – Internal parts

Resilience and reliability for continuous operation

Apart from the basic requirement of uninterrupted power, our PODs must deliver high levels of reliability, safety and resilience to withstand fluctuations in power demand, as well as potential disturbances in the power grid or internal components. Together with our clients, our PODs' redundant systems are based on N+x, 2N principles, while our advanced HVAC systems provide the required stable internal temperature and climate. In addition, using Mitsubishi Electric's advanced DCIM solution, our PODs can identify and address potential issues before they lead to downtime.

Compliance with safety and regulatory standards

Our PODs must comply with a range of safety, regulatory, and industry standards (such as UL, CE, and ISO certifications), which vary based on geography, especially when deploying units globally, adding to the complexity. We meticulously adhere to safety codes, especially regarding electrical safety, fire protection, and environmental standards, by building modular compliance packages (units with compliance flexibility, with adjustments for regulatory needs and local codes), third-party certifications to ensure that units meet necessary standards for each market, as well as standardised (localised) documentation and training packages.

Cybersecurity for monitoring and control systems

The increasing prevalence of remote monitoring and IoT integration means data centres must protect their power infrastructure (PODs) from cyber threats. As a result, we integrate "by design" cybersecurity measures into the POD infrastructure (of course, maintaining compatibility with the data centre systems). This includes secure communication protocols and firewalls (even air-gap technology) to protect data transmitted within and externally to the POD, rigorous authentication and access controls, and controlled ongoing software and firmware updates and security patches.

Cost-effectiveness

Our PODs offer a competitive price-to-performance ratio, balancing high-quality features with reasonable costs (without sacrificing reliability, efficiency, or scalability). We use standardised components and modular assembly, and energy-efficient technologies (such as optimised transformers and cooling systems that reduce long-term operational costs with a positive ROI impact). We can also offer flexible financing and leasing options, which can make it easier for data centres to go to market rapidly and manage cash flow while still accessing high-quality equipment.

Partner introduction – ME-Automation Projects GmbH

As a 100% subsidiary of Mitsubishi Electric Corporation, ME-Automation Projects GmBH has been at the forefront of automation and electrification for over four decades. With more than 600 successful projects across industries, we deliver comprehensive Electrical, Instrumentation, and Control (EI&C) solutions tailored to the unique challenges of our clients. While we also offer innovative technologies for a wide range of automation and electrification applications, advanced solutions for data centres are a key part of our portfolio. Specialising in Uninterruptible Power Supply (UPS), Low Voltage and Medium Voltage Power Distribution, Emergency Power Supply and advanced Data Centre Infrastructure Management (DCIM) systems, we provide cutting-edge solutions to optimise energy usage, enhance system performance, and ensure sustainability, empowering operators to meet the growing demands of today's digital landscape.

With a proven track record for quality, backed by ISO 9001:2015, ISO 14001:2015, and ISO/IEC 27001:2013 certifications, we combine Mitsubishi Electric's global expertise in electrification, automation, and digitisation with unmatched technical precision. Our team offers end-to-end support, from initial planning to lifelong operational assistance, ensuring maximum efficiency, resilience, and scalability for your data centre infrastructure. ME-Automation Projects GmBH drives innovation, reliability, and success in your operations.

Expert Voice from MEAG

"Our MEAG Data Centre Team's 'raison d'être' is to ensure uninterrupted data centre operations with our Critical Power Solutions, to reduce procurement lead times and construction schedule challenges. We do this by assisting our customers in early design and solution selection, reducing lead times with rapid deployment and energy efficient power units, enabling our customers to meet tight deadlines and reduce environmental impact, whilst prioritising sustainability and workers' health and safety."

Mike McAdam
Data Centre Business Development Director

Data centre environmental status

DCIM solution

Critical management: Comprehensive monitoring for data centre performance optimisation

Our Data Centre Infrastructure Management (DCIM) solution is designed to help hyperscaler users and colocation operators visualise and monitor data centre infrastructure effectively, prevent downtime, avoid unnecessary energy costs, and secure critical information. It offers comprehensive monitoring of Power Usage Effectiveness (PUE), tracks mass data, secures system redundancy in your facility, and reduces maintenance costs through predictive analytics.

While operators are confronted with stringent reporting requirements led by EED (Energy Efficiency Directive), our DCIM solution helps to cope with operational and business governance in the light of industries' ESG obligations.

Leverage powerful visualisations for overall system view

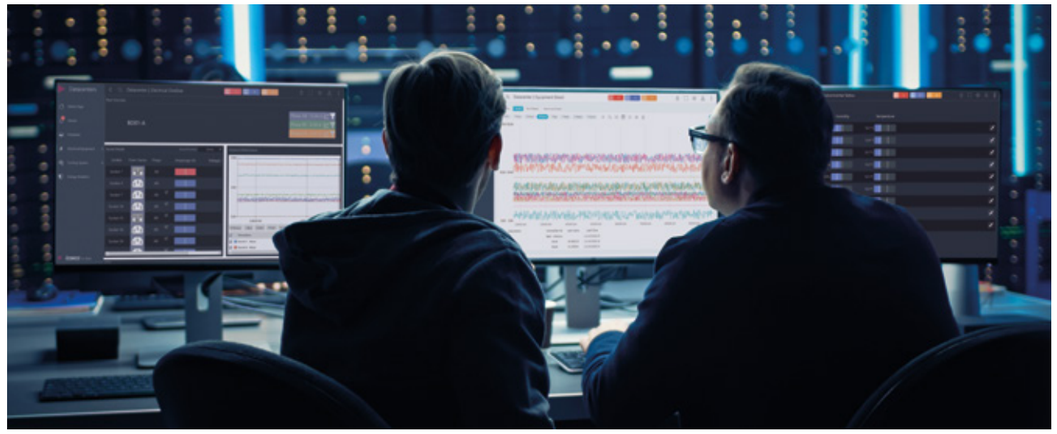
Exceptional visualisation capabilities enable your team to intelligently monitor your data centre, improving data gathering and real-time visualisation. Monitor individual equipment energy usage and transform the data into easy-to-read graphs for assessing operational and asset statuses. Optimise energy supply, demand, and reduce losses.

Detect anomalies and notify alarms like a colleague

To ensure business continuity, your team needs to swiftly address issues by establishing root causes and taking appropriate action. Our DCIM monitors device data, creating alerts for anomalous conditions so your team can act quickly and prevent failures with improved response times.

Comfortable environment for your data centre

Data centres are as sensitive to the indoor environment as humans. Our monitoring solution tracks the temperatures of individual racks and the humidity within aisles, allowing you to control the environment of your facility.



SCADA & ICONICS

SCADA – GENESIS 64™

Enhanced visualisation tools

Our DCIM solution includes advanced visualisation capabilities, providing clear, real-time graphical representations of data centre operations, enabling operators to quickly identify issues, monitor performance, and optimise resource utilisation with greater precision.

Proactive maintenance planning

Leverages AI and machine learning to enable predictive maintenance by analysing patterns and trends within the data centre, allowing for the anticipation of potential failure, reducing downtime, extending equipment life, and lowering overall maintenance costs.

Data centre chiller plant

Seamless third-party integration

Supports connectivity with a wide range of third-party devices and applications. This allows for effortless integration with existing systems, ensuring operations can manage all aspects of the data centre from a single platform, enhancing operational efficiency.

Built-in redundancy

Designed with redundancy in mind to ensure that critical systems remain operational in the event of component failure. This helps maintain continuous uptime and protects against data loss, providing peace of mind for data centre operators.

Balanced efficiency measures

By incorporating a balanced scorecard approach combined with AI-driven insights, our DCIM offers a comprehensive view of data centre performance, ensuring maximised efficiency across all key areas, including energy consumption, resource allocation, and operational workflows.

Comprehensive reporting capabilities

Provides detailed, customisable reporting features that allow for the generation of insights into data centre operations, which can be tailored to meet the specific needs of different stakeholders, offering transparency and supporting data-driven decision-making.

Up-to-date technology tailored to current needs

Incorporates the latest advancements in technology, including AI, machine learning, and IoT integration, making it more effective in addressing modern data centre challenges. Designed with flexibility and customisation in mind for easy adaptation to specific customer requirements and seamless integration with your existing infrastructure.

Enhanced user experience

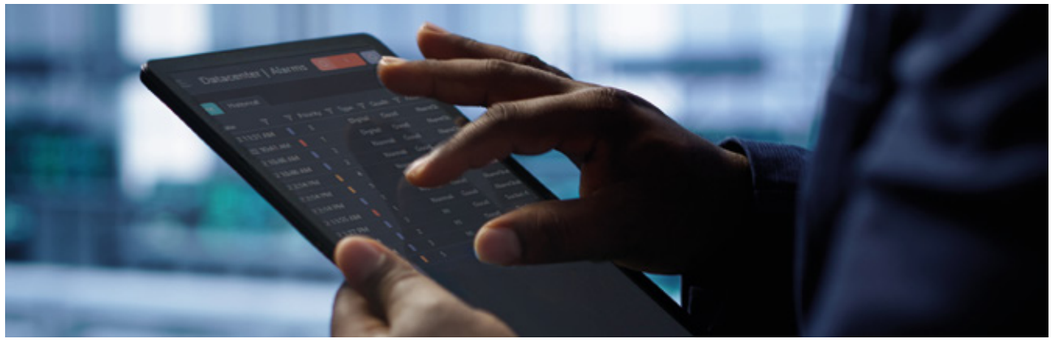
Modern interface
Features a user-friendly interface with improved UX/UI design, making it easier for operators to manage complex data centre environments.

Mobile and remote access
Incorporation of mobile and cloud-based access allows users to monitor and manage the data centre from anywhere, increasing operational efficiency.

Improved performance and efficiency

Optimised performance
Leverages the latest software development practices to offer faster processing, better resource utilisation, and improved system responsiveness.

Energy efficiency
Advanced analytics and monitoring tools help optimise energy usage, reduce waste, and improve overall sustainability in the data centre.



Integration with emerging technologies

AI and machine learning
Integrates AI-driven tools for predictive maintenance, incident management, and automated optimisation, leading to reduced downtime and proactive management.

IoT integration
Seamless integration with IoT devices allows for more granular monitoring and control of data centre environments, enhancing visibility and control.

Scalability and future-proofing

Scalable architecture
Designed with scalability in mind to grow with the data centre, supporting expansion without the need for a complete overhaul.

Future-ready
Built to accommodate future technological developments, ensuring that the data centre remains competitive and can easily adopt new innovations as they arise.

Enhanced security features

Modern security protocols
Incorporates the latest protocols and practices to offer stronger protection against cyber threats, safeguarding critical infrastructure.

Compliance readiness
Can be configured to meet the latest regulatory standards, ensuring compliance with industry-specific and regional regulations.

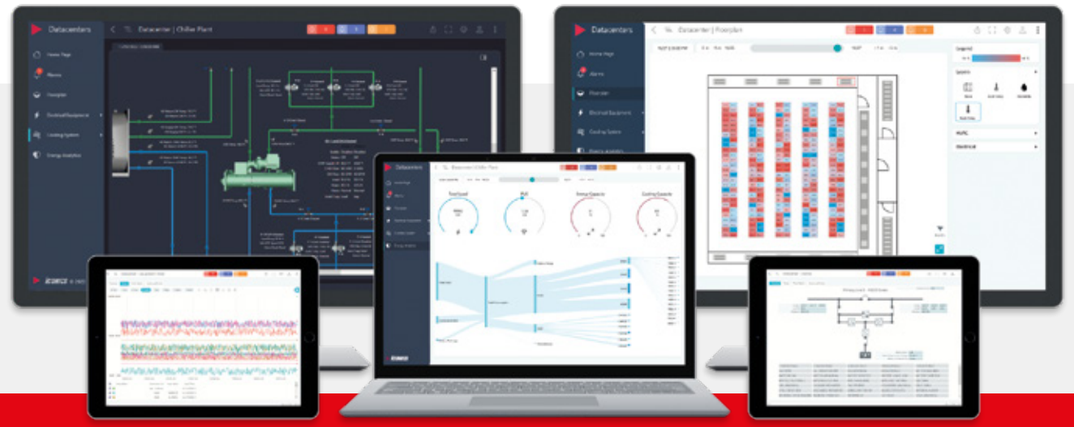
Cost-effective operations and reduced Total Cost of Operations (TCO)
Integrates modern, efficient technologies and automating routine tasks to lower operational costs and reduce the total cost of ownership over time.

Efficient resource management
Better resource allocation and energy management reduce waste, leading to cost savings and improved Return on Investment (ROI).

Seamless integration and interoperability

Protocol support
Support for a wide range of industry protocols (like BACnet, OPC, Modbus) ensures compatibility with diverse equipment and systems, facilitating easier integration into your existing environments.

Open APIs
Open APIs and integration capabilities allow for seamless connectivity with other systems, such as CRM, MMS, and IT management tools, enhancing overall efficiency.



Data centre screens

Partner introduction – ICONICS

ICONICS, founded in 1986 and headquartered in Foxborough, Massachusetts, is a global software developer of automation, visualisation, IIOT, energy, and smart building focused solutions. Today, GENESIS from ICONICS is running in over 70% of Global 500 companies with 400,000+ installations in over 100 countries. This includes data centres and facilities with mission critical infrastructure.

Expert Voice from ICONICS

GENESIS provides data centre operators with monitoring, supervisory control, and optimisation of the 'grey space' inclusive of the electrical power chain, cooling systems, and other building management functions. Data centre Infrastructure Management (DCIM) implementations of GENESIS range from a single mission critical asset to an entire facility, providing a single-pane-of-glass inclusive of centralised alerting and data historisation.

Customers are often challenged to integrate and optimise 'grey space' infrastructure comprised of multiple suppliers and disparate systems. Data centre operators choose GENESIS for its flexibility, scalability, and security. With GENESIS, ICONICS and our partners enable outcomes tied to energy efficiency, capacity planning, incident management, billing management, and asset reliability.

Tim McCain
Americas Channel & Industry Development

Critical cooling solutions

Elevate your data centre infrastructure with our critical cooling solutions

Our critical cooling solutions for data centre infrastructures ensure optimal performance, reliability, and decrease running costs through energy-efficient equipment and by maintaining consistent temperatures and humidity levels, regardless of load variations.

Designed for data centres, cloud service providers, and IT infrastructure consultants, our solutions keep every aspect of the industry on the cutting edge.

360° solutions for critical cooling

Every data centre has unique requirements, necessitating a diverse range of products. Our line-up includes a wide variety, from small CRACs (s-MEXT) and CRAHs, (w-MEXT), to large fanwalls (MEWALL); free-cooling air-cooled chillers (TR2-FC-G04-Z) and water-cooled chillers that could be used for heat recovery; and liquid cooling technologies such as CDUs, offering scalability for data centres of all sizes.

Efficient cooling for data centres, and for the planet

Data centres face the challenge of heat from server racks, increasing cooling loads and power consumption. Our high-energy-efficiency cooling products help lower PUE and reduce carbon emissions, cutting operational costs. To reduce their environmental impact by containing energy consumption and the amount of waste heat produced, large data centres are turning to new hybrid cooling solutions, combining traditional air cooling with new liquid cooling solutions. MEWALL is designed to meet the needs of green data centres, and can also fit effectively into hybrid systems.

Maximise uptime and benefit from increased reliability

Our critical cooling solutions maximise uptime, with every detail designed to deliver dependability and uninterruptible services under any circumstances.

Critical cooling solution units

Chiller & Heat reuse solutions

Chillers

Bespoke design and technologies

Designed for the efficient and reliable production of chilled water, our air-cooled and water-cooled chillers are the ideal solution for modern IT cooling systems, allowing great energy savings. Choose from air-cooled, water-cooled, and free-cooling to suit your needs.

Air-cooled and free-cooling chillers

Our air-cooled chillers are available with scroll, screw, or oil-free centrifugal compressors, covering capacities from 50kW to over 1.5MW. Devoted design and mission critical equipment ensure continuous operation and dependability.

Integrated advanced free-cooling technology and control logics leverage cold outdoor air, reducing compressor load and improving efficiency. Annual operating costs are cut dramatically.

Water-cooled chillers

Water-cooled chillers, which can handle high cooling loads of up to 4MW, provide an effective alternative system configuration for large-scale data centres, particularly where external plant space is restricted. These chillers can also minimise environmental impact through the use of low-GWP refrigerants, such as R513A and HFO-R1234ze.

Air-cooled chiller: MECH-iF

Water-cooled chiller: TX-W-G04

Heat reuse solutions

Heat reuse for a low carbon future

Data centre heat reuse is becoming increasingly common and the Energy Reuse Factor (ERF)* is set to become a vital consideration for the design and operation of data centres. We are well equipped to provide heat recovery solutions to both data centre owners (thus being compliant to the most stringent IT specs) and energy companies.

Water-sourced heat pumps

Water-sourced heat pumps are particularly useful for making the most of waste heat, where the water temperature leaving the data centre is around 30°C to 35°C. Heat pumps can use water at this temperature as a heat source, elevating the temperature to between 70°C and 80°C. This heat energy can be used in the data centre building (or nearby buildings) for general heating. It can also meet domestic hot water (DHW) demand in washrooms and showers, for example. Alternatively, it can be used on a wider scale in district heating, such as in industrial processes and urban farming.

Simultaneous heating and cooling

Another technology that can greatly help in heat recovery is polyvalent units, which thanks to their specific refrigerant circuit design, allow for the simultaneous production of cooling and heating even when the loads are unbalanced.

i-FR2-W-G04-Z

Polyvalent unit: NR-Q-G06-Z

*ERF is a measure of the amount of reused energy divided by the total amount of electrical energy supplied to a data centre.

Room cooling: air conditioner and fanwall

CRAC/CRAH units

Optimal performance and energy efficiency

Our CRAC and CRAH units are specifically designed to meet the critical cooling needs of modern data centres. They can be relied upon for effectively controlling the temperature – and if required, the humidity – of a white space. These units are crucial for keeping the environment within the data centre at optimal conditions to ensure the reliable operation of the servers, networking equipment, and other critical IT infrastructure.

Our CRAC units feature quality components including BLDC compressors, heat exchangers, and EC fans made from recycled plastic. Designed for ‘plug and play’ simplicity, they efficiently cool server rooms and IT infrastructure. Available in various configurations, each unit meets Mitsubishi Electric’s highest standards for optimal performance and energy efficiency.

Our CRAH units are designed with optimised chilled water coils, using copper tubes and high-efficiency aluminium fins treated with hydrophilic coating. Incorporating plug fans with energy-efficient EC motors, and smart PICV (Pressure Independent Control Valve). Together these components deliver highly efficient cooling solutions for data centres and server rooms.

CRAC: x-MEXT

CRAH: w-MEXT

Fanwall

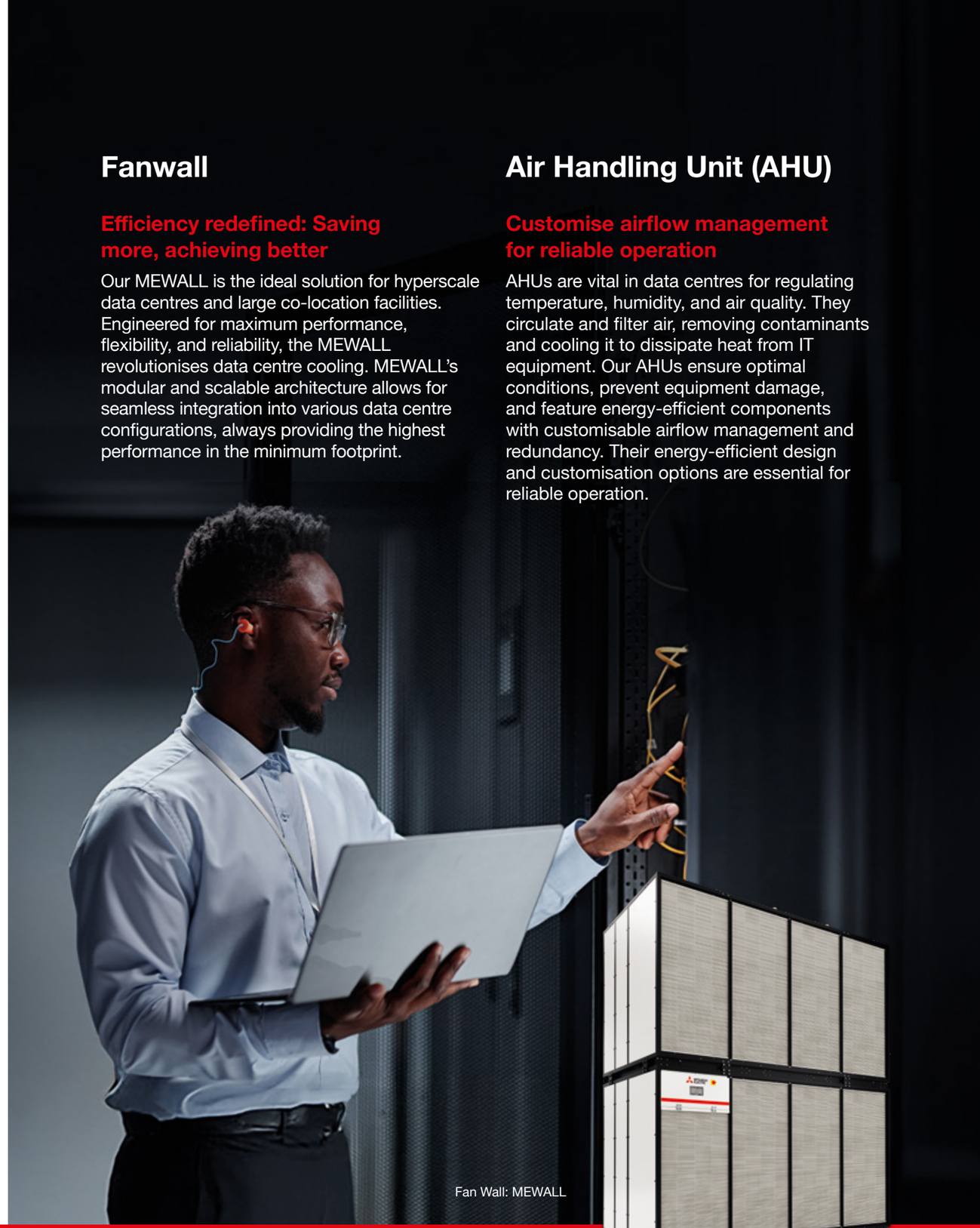
Efficiency redefined: Saving more, achieving better

Our MEWALL is the ideal solution for hyperscale data centres and large co-location facilities. Engineered for maximum performance, flexibility, and reliability, the MEWALL revolutionises data centre cooling. MEWALL’s modular and scalable architecture allows for seamless integration into various data centre configurations, always providing the highest performance in the minimum footprint.

Air Handling Unit (AHU)

Customise airflow management for reliable operation

AHUs are vital in data centres for regulating temperature, humidity, and air quality. They circulate and filter air, removing contaminants and cooling it to dissipate heat from IT equipment. Our AHUs ensure optimal conditions, prevent equipment damage, and feature energy-efficient components with customisable airflow management and redundancy. Their energy-efficient design and customisation options are essential for reliable operation.



Fan Wall: MEWALL

Liquid cooling and localised air cooling

Liquid cooling

Leading the way in cooling for the AI era

In the era of AI, the data centre power density is reaching levels never touched before. Air-based cooling alone cannot meet the demand. Our solutions for liquid cooling perfectly fit the new hybrid cooling concept, bringing efficiency, higher cooling density and seamless monitoring and control. As the demand for liquid cooling increases, efficient water distribution becomes essential. We are set to launch our Cooling Distribution Unit (CDU), featuring advanced controllers that enable precise regulation of cooling water temperature, preventing overheating and ensuring optimal performance of IT equipment.

Cooling Distribution Unit

RACK/ROW cooling

Optimise cooling in data centres with hot-spots

These systems are suitable for application in modern IT infrastructure that is typically characterised by high thermal loads and are particularly suitable for high density racks and blade server cooling in data centres with hot-spots. The range is able to cope with the high density of the thermal load, with minimal impact of space in the data centre. In-row technology puts the air conditioning unit directly within the rows of racks to cool the localised heat sources.

RACK/ROW cooling

Partner introduction – Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A.

Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A. is the Mitsubishi Electric Group company that specialises in applied air conditioning solutions for comfort, process and IT cooling.

The company's history is based on the talent and success of our Climaveneta and RC brands. It all began in 1963 with the foundation of RC Group, then continued with the founding of Climaveneta in 1971 and numerous technological innovations presented over the years, followed by acquisition by the De'Longhi Group and the subsequent listing on the stock exchange of DeLClima which culminated in acquisition by Mitsubishi Electric in 2015 and subsequent integration into the Group.

Their story continues through continuous innovations and the high quality of our products, which we can guarantee, as one of the world's leaders in air conditioning.

Expert Voice from MEHITS

We ensure competitive data centre operations by providing IT cooling solutions with state-of-the-art technology, enhancing energy efficiency, and combining our undisputed reliability with the best-in-class operational cost-effectiveness. Our comprehensive range of products covers all the IT cooling application: from close control to high precision air conditioners; from chillers to heat rejection and cooling units; from containment infrastructures to optimisation and management software.

Alesso Nava
HPAC Business Unit Manager

Critical power solutions

Critical power: Ensure business continuity with Mitsubishi Electric's critical power solutions

In the rapidly evolving digital landscape, uninterrupted power supply is critical for maintaining data centre operations. We offer mission-critical containerised, modular and skidded Critical Power Stream PODS, or Power Train Units, medium voltage solutions, low voltage solutions, UPS (Uninterrupted Power Supply), and back-up generators of the highest quality. Our cutting-edge technology ensures your data centres remain operational, safe, and energy-efficient. As your proactive critical power partner, you can rely on Mitsubishi Electric to keep your team up to date and in the know.

Energy Meter

MiniCB

MCCB

MELPRO-D

Protects against downtime 24/7/365

Modern businesses cannot afford data centre or server outages, as the cost of downtime rises with every hour offline. Business Continuity Planning (BCP) is essential in the data centre industry. Our Emergency Standby Power (ESP) and Data Centre Continuous Power (DCCP) systems are crucial in preventing disruptions, ensuring a stable and safe power supply.

Highly certified reliability and safety

Switchgears are essential for continuous power supply, load balancing, arc fault protection, and overall operational stability in data centres. By managing power distribution, switchgears help maintain uptime. Our power distribution products offer reliable performance and are built to the highest international safety standards, providing peace of mind.

Compact designs for flexible space utilisation

Maximising data centre efficiency requires full utilisation of limited space. Our critical power products are compact yet powerful, enabling flexible use of your data centre space, including server rooms and switchboards.

ACB

10-VPR-D

Uninterrupted power supply

LV solution & MV solution

Low voltage switchgear

Enhance longevity and make data centre operation more reliable

Our low voltage switchgear enhances the longevity and stable operation of data centres. It features high arc fault protection with arc stoppers ad flow stopper plates, ensuring safety. Tested for seismic stability, it is suitable for high-risk areas. Additionally, our low voltage circuit breakers are designed to extend the lifespan of your electrical equipment.

Medium voltage switchgear

Ensure robust and reliable operations

Our medium voltage switchgear utilises our highest quality vacuum circuit breaker and vacuum contactor components, fully IEC 162271-200 type-tested, ensuring durable and reliable operations. Manufactured in the EU from the renowned and long established range of medium voltage products from Mitsubishi Electric in Japan, it meets the highest engineering standards. Integrated digital protection relays and energy meters provide comprehensive monitoring and safety.

MV Switchgear

UPS & Genset

UPS

Maximise your available space for critical data centre equipment as your business grows

Introducing the 9900D Large Modular UPS, a pinnacle of high-density power solutions designed to meet the demanding needs of modern data centres. With an output range of 1000 kVA to 2000 kVA, this three-phase UPS offers exceptional expandability and modularity, ensuring that your power infrastructure can grow alongside your business. Operating at 400/415 V, the 9900D is remarkably compact, taking up only two-thirds the size of competitive models within its output range. This space-saving design not only reduces installation time and costs, but also maximises the available space for critical data centre equipment.

Our UPS systems leverage proprietary power electronics technology, delivering superior output voltage control and fast inverter response. This advanced technology offers tangible benefits such as enhanced energy efficiency, extended product lifespan, scalability, high performance, and reliability, all while optimising cost-effectiveness. These features are crucial for the demands of the data centre industry.

Genset

Experience confidence at all times with gensets built for reliability

In today's fast-paced data-driven world, the uninterrupted operation of data centres is paramount, and emergency power generators are essential in ensuring data centre operations continuity. Mitsubishi Electric's collaboration with partners in Europe enables us to offer generator solutions that play a crucial role in ensuring a continuous service that safeguards against power outages, which could lead to significant data loss and operational downtime.

MITSUBISHI ELECTRIC EUROPE B.V.

Harman House, 1 George Street, Uxbridge, Middlesex, UB8 1QQ, UK

emea.mitsubishielectric.com/en/data-center/

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