

Hitachi to Showcase Solutions at DCWA 2026



Hitachi Asia Ltd. will be participating in [Data Centre World Asia \(DCWA\) 2026](#) where it will showcase how its latest and next-generation innovations are transforming the future for data centers.

In alignment with this year's DCWA theme, "Data Centres Built for an AI and Energy Crisis", Hitachi's presence will highlight how integrated energy, digital and infrastructure solutions can help data center operators prepare for the demands of AI. The showcase will demonstrate how these capabilities can be brought together across power, cooling, monitoring and operations to help operators manage increasingly complex data center environments.

Located at L1 of the **Sands Expo and Convention Centre, Singapore**, the Hitachi booth (stand F60) will showcase an integrated suite of data center capabilities providing an end-to-end system solution for future-ready data centers across several key categories:

1. **HMAX Data Center:** Hitachi's HMAX Data Center vision brings together energy, digital and operational technologies to give operators greater visibility and control across the data center ecosystem. Solutions including HMAX DC and HMAX Energy enable unified monitoring, automated inspection and predictive analytics to support resilient, efficient and always-on operations.
2. **Accelerate speed to capacity:** Hitachi helps data center operators bring new capacity online faster through solutions spanning Energy Hub, Grid-eXpand®, Grid-to-Rack and

Power Conversion Solutions. Modular, standardized and factory-tested technologies help data centers connect to the grid and come online faster, while supporting the move to next-generation 800V power systems for AI workloads.

3. **Secure and manage AI-ready infrastructure:** Hitachi combines power quality, automation, cooling and energy-management technologies to strengthen the reliability and efficiency of increasingly dense AI environments. Solutions such as EconiQ® switchgear, TVP® transformers, PQactiF active filters and DC-HAAS, alongside AI-driven energy forecasting and advanced cooling technologies, help operators protect critical infrastructure, improve uptime and manage increasingly complex power requirements.
4. **Build and optimize with intelligence:** Hitachi applies AI and integrated digital platforms to help operators make better use of infrastructure and manage increasingly complex data center environments. The Gigawatt Operator uses specialized AI agents to optimize operations in real time, while the Intelligent Platform System (IPS) brings building, energy, facilities, surveillance and other operational systems together within a centralized Digital Operations Command Centre.
5. **Pioneer beyond today:** Hitachi is developing new architectures that integrate power, compute and cooling more closely for the next generation of AI data centers. Technologies including SHERPA – Energy Hub, DC800V Intelligence and GPU-Cooling Integrated Control System are designed to dynamically coordinate workloads, energy and thermal management — supporting higher AI throughput, faster access to power and more resilient AI-ready capacity.

Featuring a comprehensive portfolio of solutions at its booth, the exhibit showcases the strength of the One Hitachi approach, addressing key challenges that the industry is facing today, and the pressing question of **“What’s next in data center innovation?”**

“The next phase of data center innovation will be defined by how intelligently infrastructure can be connected, managed and optimized amidst increased AI demands. Adding more power and compute capacity is only part of the challenge. Operators also need a clearer view of how their energy and digital systems are performing, and the ability to manage them as complexity increases. Through initiatives such as HMAX Data Center, Hitachi is bringing these capabilities together to help data centers become more adaptive, efficient and resilient, and better prepared for the demands of the AI era.”- **KJ Joshi, Chief Business Officer and Head of Data Centre Business at Hitachi Ltd**

Hitachi Solutions at a Glance

HMAX by Hitachi – a suite of next-generation solutions that brings the power of AI to social infrastructure.	
Solutions	About

HMAX Data Center	Advanced data center intelligence platform designed for unified visibility and operational efficiency. It unifies signals across the data center ecosystem, powered by Hitachi Application Reliability Centre (HARC) to deliver resilient, always-on operations.
HMAX Energy - Automated Inspection - Real-time Monitoring - Predictive Analytics	HMAX Energy is an AI-powered suite of services and solutions - designed to safeguard critical energy infrastructure while enabling operational efficiency. Delivered through trusted customer partnerships, HMAX Energy optimizes planning, prediction, and prevention – strengthening energy security and resilience.

Accelerate Speed-to-Capacity	
Solutions	About
Energy Hub	Enabling future data center growth with complete integration and control of sustainable energy. Supports rapid scale-up while advancing decarbonization targets.
Grid-eXpand® Modular and Prefabricated Grid Connection Solution	A modular and prefabricated grid connection solution that accelerates grid expansion for a carbon-neutral future. Tailored to specific needs, it offers faster, simpler, and more efficient expansion of power grid capacity.
Grid-to-Rack End-to-end HV-to-LV solution	An end-to-end HV-to-LV solution with modular Grid-to-Rack offerings, using standardized, factory-tested building blocks to connect the grid to the data hall and enable next-generation 800 VDC AI racks.
Power Conversion Solutions for Data Centers	An advanced grid-to-rack approach uses high-performance power converters to enable 800 VDC rack configurations and combined with battery energy storage solutions, improves efficiency, reduces energy losses, and accelerates hyperscale AI deployment.

Secure & Manage AI-ready Infrastructure	
Solutions	About
EconIQ® SF6-Free Switchgear	State-of-the-art gas-insulated switchgear designed for maximum energy efficiency and sustainability. It reduces greenhouse gas emissions by using SF6-free technology, helping meet global ESG targets.
Transformers with Transient Voltage	Transformers with Transient Voltage Protection (TVP®) Technology provide complete protection for electrical systems at every single switching instance. Their network-

Protection (TVP®) Technology • <i>TVP® for Dry-type and Liquid-filled distribution transformers</i>	agnostic design makes them the best fit regardless of network configuration or how often switching operations are performed.
Low Voltage (LV) PQactiF filter • <i>Active harmonic filter</i>	LV PQactiF active filters improve the efficiency of the power system by mitigating harmful harmonics generated by loads to ensure smooth operations of the equipment.
High-Availability Automation Solutions for Data Centers (DC-HAAS)	Secure, pre-engineered substation automation solutions that enhance visibility, control, and cybersecurity, helping data center operators improve efficiency, achieve up to 99.999% power uptime, and accelerate project delivery.
Energy Trading and Risk Management (ETRM) • <i>AI forecasting</i> • <i>Asset optimisation</i> • <i>Bid-to-bill</i>	Integrated energy trading and risk management capabilities that help optimise energy costs, procurement, and market exposure while enabling more informed decisions.
Nostradamus® AI Energy Forecasting	AI-driven energy price and demand forecasts that improve visibility into cost, generation, and load to influence securing affordable, 24/7 power sourcing.
Carbon & Renewables	Support decarbonisation goals with carbon accounting and renewable energy certificates, helping optimise the balance between cost, emissions, and sustainability.
AI-Computational Fluid Dynamics (CFD)	An integrated cooling solution that monitors thermal behaviour, identify hotspots and recommends cooling intervention to mitigate anomalies.
Condition Monitoring of Immersion Cooling Coolant	Real-time monitoring and analysis of coolant conditions in immersion cooling systems to prevent GPU server failures before they occur.
Inverter	It controls the rotation speed of pumps and fans in the Coolant Distribution Unit to optimize cooling performance.
Scroll Modular Chiller	The high-efficiency refrigeration cycle provides a stable supply of chilled water, which is essential for data center cooling. Its modular design allows up to eight units to be interconnected, enabling flexible support for redundant system configurations.

Build and Optimize with Intelligence	
Solutions	About
The Gigawatt Operator	Six specialized AI agents reason across four tiers — rules, optimizers, machine learning (ML), Large Language Models (LLMs) — to keep operations within community and regulatory commitments in real time.
Intelligent Platform System	A unified intelligent ICT and operational technology platform that consolidates critical facility systems — including BMS, EMS, CPOS, Digital Twin, Smart FM, Smart Surveillance, and related operational technologies — into a centralized Digital Operations Command Centre (DOCC), powered by Hitachi Digital Services' proven HARC platform.

Pioneer Beyond Today	
Solutions	About
SHERPA – Energy Hub • <i>Smart Power Chain Orchestrator</i>	SHERPA predicts AI workload orchestrates power caps, buffers, storage, and energy hub assets in real time, transforming fragmented infrastructure into one adaptive control layer that delivers higher AI throughput per megawatt, faster time-to-power, and resilient AI-ready capacity.
DC800V Intelligence • <i>Hybrid AC/DC rack-level power distribution platform</i>	A first-of-its-kind hybrid AC/DC rack-level power distribution platform for AI data centers, bridging today's AC infrastructure to 800 VDC.
AI-Cooling Integrated Control	Coordinate AI workload distribution to balance heat generation and cooling control according to processing loads based on GPU and cooling efficiency characteristics.

As part of the event, visitors can also attend the panel discussions at the Data Centre World Keynote Theatre (Level 1) and Data Centre Global Stage (Basement 2) on 29 September, where Hitachi leaders will join industry experts to examine the opportunities and challenges shaping the next generation of data centers. At **12.00pm**, **KJ Joshi, Chief Business Officer and Head of Data Centre at Hitachi Ltd., Anthony Allard, Executive Vice President, Chief Marketing and Sales Officer at Hitachi Energy, and Simon Ninan, Chief Strategy Officer at Hitachi Vantara**, will discuss how the Asia-Pacific region can power the AI era with speed, scale and sustainability.

Later in the day, **Ben Frazer, Global Business Development Manager for Data Centers at Hitachi Energy**, will explore Australia's rise as an Asia-Pacific data center powerhouse at **3.20pm**, while **Venu Nuguri, Managing Director and CEO of India and South Asia at Hitachi Energy and Managing Director of Hitachi India**, will join a panel at **3.35pm** examining how the industry is keeping pace with the evolving demands of AI.

Booth Information of Hitachi at DCWA 2026

Date & Time: 9am – 5pm, 29 – 30 September

Stand: F60

Location: Level 1, Sands Expo and Convention Centre

Hitachi Speaking Sessions on 29 September

Powering the AI Era - Speed, Scale and Sustainability in Asia-Pacific

Time: 12pm – 12:40pm

Location: Data Centre World Keynote Theatre (L1), Sands Expo and Convention Centre

Speakers:

- Kaushik Joshi (Chief Business Officer & Head of Data Centre Business, Hitachi Ltd.)
- Anthony Allard (EVP, Chief Marketing & Sales Officer, Hitachi Energy)
- Simon Ninan (Chief Strategy Officer, Hitachi Vantara)
- Yee May Leong (MD of Singapore, Equinix)
- Roy Samuels (APAC Director for Technical & Reliability, CBRE Data Center Solutions)

Regional Dialogue Series – Australia’s Rise as APAC’s Superpower: Addressing the 3Ps – Political, Physical, Power

Time: 3:20pm – 4pm

Location: Data Centre Global Stage (B2), Sands Expo and Convention Centre

Speakers:

- Ben Frazer (Global Business Development Manager, Data Centers, Hitachi Energy)
- Belinda Dennett (CEO, Data Centres Australia)
- Cameron Evans (Director of Data Centre Planning and Delivery, AWS)
- Simon McFadden (Industry Director of Digital Infrastructure, Aurecon)

Panel - The Future of AI Demands: How Is the Industry Keeping Up?

Time: 3:35pm – 4:15pm

Location: Data Centre World Keynote Theatre (L1), Sands Expo and Convention Centre

Speakers:

- Venu Nuguri (MD & CEO of India and South Asia, Hitachi Energy, and MD of Hitachi India)
- Paul Brien (Southeast Asia Technology Sector Business Leader, Arup)
- Jose Castaneda (VP Innovation and Intelligence, AirTrunk)
- Andria Zou (Global Senior Director of AI Data Center Strategies, NVIDIA)
- Farhad Azizian (Regional Data Center Solution Director, SEA - Delta Electronics)

Hitachi Speaking Session on 30 September

Regional Dialogue Series – SINGAPORE: Roadmap & Realities as an AI-Ready Nation

Time: 2:55pm – 3:35pm

Location: Data Centre Global Stage (B2), Sands Expo and Convention Centre

Speakers:

- Prashant Mishra (Business Head, Digital & HMAX, Hitachi Energy)
- Andrew Green (Head of Data Centre Group, Asia Pacific, Cushman & Wakefield)

- Govind Choudhary (General Manager, Southeast Asia & India, Digital Realty)
- Max Wang (Head of Cloud Communication International Business Operations, Alibaba Cloud)

End of Media Factsheet

Media Contact

TrueWorth for Hitachi

hitachi@trueworth.com.sg

Participating Hitachi Group of Companies

Hitachi Ltd.

Hitachi America, Ltd.

Hitachi Asia Ltd.

Hitachi Digital

Hitachi Digital Services

Hitachi Energy

Hitachi Europe Ltd.

Hitachi High-Tech

Hitachi India Pvt. Ltd.

GlobalLogic

About Hitachi Asia Ltd.

Hitachi Asia Ltd., (Hitachi Asia) a subsidiary of Hitachi, Ltd., is headquartered in Singapore. With offices across seven ASEAN countries Indonesia, Malaysia, Myanmar, Philippines, Singapore, Thailand, and Vietnam – Hitachi Asia and Hitachi's subsidiary companies offer IT, OT (Operational Technology) and products to support customers in their transformation journeys. We will contribute to the growth in the ASEAN region by co-creating with customers to identify the social challenges and needs and deliver the solutions. For more information on Hitachi Asia, please visit the company's website at <https://www.hitachi.com/en-sea/>.

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