Press Release

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Dassault Systèmes to Set Up ASEAN Industrial AI Virtual Twin Lab in Singapore

- **Supported by EDB, Dassault Systèmes will establish the ASEAN Industrial AI Virtual Twin Lab in Singapore to accelerate the adoption of industrial AI and virtual twin solutions across the region.**

- **The ASEAN Industrial AI Virtual Twin Lab plans to employ more than 30 highly skilled AI professionals within its first five years, strengthening Singapore's industrial AI capabilities and creating high-value employment opportunities**

- **Organised around three pillars, the lab aims to reduce virtual twin deployment time and increase the adoption of Dassault Systèmes' next-gen 3D UNIV+RSES to support enterprises in Singapore, Indonesia, Malaysia, Thailand, the Philippines and Vietnam**

Dassault Systèmes today announced that it has signed a memorandum of understanding (MOU) with the Singapore Economic Development Board (EDB) to establish the ASEAN Industrial AI Virtual Twin Lab in Singapore. The lab is planned to serve as Dassault Systèmes' regional hub for developing, validating and deploying industrial AI and virtual twin solutions across ASEAN.

The MOU was signed in Singapore by Tan Pei Fen, Chief Financial Officer, Asia Pacific South, Dassault Systèmes, and Xu Kaixian, Vice President and Head, Industrial Solutions, Singapore Economic Development Board. Pierre Barnabé, Chief Operating Officer, Dassault Systèmes, and Png Cheong Boon, Chairman, Singapore Economic Development Board, witnessed the signing.

The ASEAN Industrial AI Virtual Twin Lab, within its first five years, plans to employ more than 30 highly skilled AI professionals, with expertise spanning AI engineering, virtual twin development, software systems design and industry consulting. Drawing on Singapore's digital infrastructure and skilled workforce, the initiative aims to strengthen local industrial AI capabilities and create high-value jobs.

Virtual twins combine digital models, data and simulation to help businesses understand how products, business processes or operations will perform, and test changes virtually before implementing them in the real world.

Combining AI, engineering knowledge, and simulation on Dassault Systèmes' 3DEXPERIENCE platform, the lab helps ASEAN businesses design AI data centres and optimise their energy

efficiency in operations. It will also deliver reusable tools for enterprises to speed up deployment and accelerate adoption of 3D UNIV+RSES — Dassault Systèmes' next generation of virtual twins that combine physics-backed AI with modeling, real-time simulation and data science.

The lab's activities will be organised around three pillars, linking industrial AI development with deployment and regional readiness:

AI Data Centre Solutions Lab

The AI Data Centre Solutions Lab will support the design, engineering and deployment of AI data centres through AI-powered virtual twin technologies, from capacity planning and engineering design to assessing cooling, energy use and sustainability. It will also contribute to research and engineering to evaluate new energy sources for AI data centres. Tools developed in Singapore will support projects across ASEAN and create opportunities for collaboration with data centre operators, engineering and construction companies and academia.

AI Virtual Twins Solutions Acceleration Hub

The AI Virtual Twins Solutions Acceleration Hub will develop reusable AI-powered tools and implementation methods to help enterprises introduce virtual twin solutions more efficiently, including using AI to build and adapt virtual models and test scenarios. It will also develop capabilities for delivering virtual twins as a service, allowing businesses across ASEAN to access solutions delivered from Singapore.

AI Product Validation and Readiness Hub

The AI Product Validation and Readiness Hub will adapt, test and optimise industrial AI and virtual twin solutions for the region's diverse industries and operating environments, including localising AI models and workflows to country- and industry-specific requirements and assessing their accuracy, reliability and performance. It will develop reusable validation frameworks to support wider adoption across Dassault Systèmes' portfolio and ecosystem.

Through industry projects, training, knowledge transfer and collaboration with academia and ecosystem partners, the Lab aims to build a sustained pipeline of industrial AI expertise in Singapore. This will support a future-ready workforce skilled in applying industrial AI and virtual twin technologies, helping enterprises across ASEAN.

"Dassault Systèmes' ASEAN Industrial AI Virtual Twin Lab supports Singapore's ambition under the National AI Mission for Advanced Manufacturing to be a leading hub for industrial AI. We look forward to partnering Dassault Systèmes to develop AI-powered solutions from Singapore that will further enhance Singapore's industrial AI ecosystem and create job opportunities in emerging AI technologies for our workforce," said Cindy Koh, Executive Vice President, Singapore Economic Development Board.

"Singapore provides a strong foundation for developing industrial AI capabilities that can serve the wider ASEAN region. Through the mission of the Industrial AI Virtual Twin Lab, we aim to bring together AI expertise, engineering knowledge and virtual twin technologies to help enterprises address challenges ranging from data centre design to business and industrial operations. Leveraging our AI native solutions in Singapore and adapting them to regional requirements will foster a faster adoption across the whole region," said Samson Khaou, Executive Vice-President, Asia Pacific, Dassault Systèmes.

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FOR MORE INFORMATION

Dassault Systèmes' 3DEXPERIENCE platform, 3D design software, 3D Digital Mock Up and Product Lifecycle Management (PLM) solutions: http://www.3ds.com

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ABOUT DASSAULT SYSTÈMES

Dassault Systèmes is a catalyst for human progress. Since 1981, the company has pioneered virtual worlds to improve real life for consumers, patients and citizens. Through the 3DEXPERIENCE agentic platform, AI-powered, science-based virtual twins help 390,000 customers of all sizes, in all industries, collaborate, imagine and create sustainable innovations that drive meaningful impact. For more information, visit: www.3ds.com

Dassault Systèmes Press Contacts

AP South	Hazel FOO	hazel.foo@3ds.com	+65 8333 3484