

以 3D UNIV+RSES 啟動高科技創新： 打造智慧產品開發 新未來

Stephane SIREAU

達梭系統 高科技產業副總裁

DASSAULT SYSTEMES TAIWAN SUMMIT
達梭系統臺灣年度高峰論壇

2025 年 9 月 11 日 | 臺北喜來登大飯店 | 臺北 | 臺灣



Empowering High-Tech Innovation with 3D UNIVERSES

The Future of Intelligent Product Development

VIRTUAL TWINS FOR EVERYTHING AND EVERYONE



THE VIRTUAL TWINS EXPERIENCE COMPANY

Manufacturing Industries



Life Sciences & Healthcare



Infrastructure & Cities





TRUSTED PARTNER FOR INDUSTRY TRANSFORMATION

80%
of humanoid robots

90%
of electric vehicles

100%
of new drugs developed
by the 16 largest
pharmaceutical companies

80%
of next-generation
nuclear projects

TOP10
Luxury groups



INTELLIGENT PRODUCTS VIRTUAL TWINS



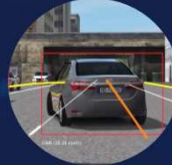
Smart phones



Aircraft



Trains



Autonomous Vehicle



Satellites



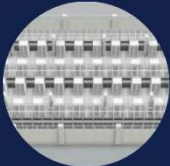
eVTOL



Medical Imaging Machines



Server rack



Data Center



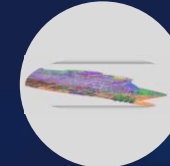
Connected Device



Software defined vehicles



Military Aircraft



Ship



MedTech



Smart Watch



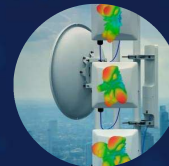
Industrial Robots



AMR



Autonomous Robots



Cellular Network



Electrical Grids



Medical Robots



Home Appliance



Semiconductor equipment



Escavator



Workcell



Automotive cockpit



Submarine drones



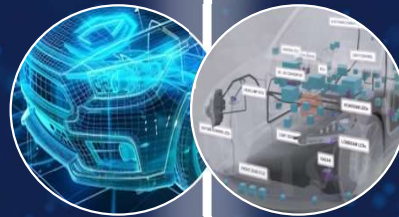
Unmanned Systems

3D UNIVERSES

AGGREGATING & ELEVATING
your
Intellectual Property



by
COMBINING MULTIPLE
VIRTUAL TWINS



your VIRTUAL TWINS
of PRODUCT,
ORGANIZATION...

to
GENERATE NEW
PRODUCTS with AI



your NEW PRODUCT
generated by our
solutions

and
IMAGINE NEW
BUSINESS MODELS



your OPPORTUNITY
to increase your
business

INDUSTRIAL AI FOR DASSAULT SYSTÈMES

A sovereign & science-based AI...



Based on **scientifically accurate Virtual Twins** representing real objects, behaviors, and lifecycles



Operates in a **sovereign, secure cloud** with advanced models like MISTRAL



Built on **40+ years of industrial experience, scientific modeling, and IP management**

human-centric & knowledge-driven ...



Captures and transforms individual expertise into **actionable, shared knowledge**



VIRTUAL
COMPANION

Virtual companions accelerate learning, reduce repetitive tasks, and enhance autonomy



Simplifies complexity to support **smarter decisions** and **breakthrough innovation**

and orchestration-focused



Powers a **model-based, service-oriented** enterprise that reshapes **value creation** continuously



Dynamically **optimizes processes, methods, and resources** through **intelligent services**



Enables **new levels of performance, agility, resilience, and sovereignty** through **AI-driven automation**

A MULTI AI APPROACH FEDERATING A STRONG ECOSYSTEM



Dedicated Cloud
Confined Collaboration

Sovereign Cloud
Trusted Collaboration

International Cloud
Secured Collaboration



Dassault Systèmes and Mistral AI partner to offer trusted, AI-powered industry-grade solutions to accelerate the Generative Economy

- Partnership uniquely combines virtual twin experiences and sovereign cloud infrastructure by Dassault Systèmes and Large Language Models (LLM) by Mistral AI
- Industry benefits from Dassault Systèmes' industry-grade solutions that protect intellectual property, ensuring the security, responsiveness and sustainable performance of Mistral AI LLMs

PARIS – July 1, 2024 – Dassault Systèmes (Euronext Paris: DSI) and **Mistral AI** today announced their partnership to bring the full power of frontier AI to industries in a trusted environment. For more than 40 years, Dassault Systèmes has empowered people and businesses to provide sustainable innovation in the domains of manufacturing, aerospace, the sciences and healthcare, and other industries.

Ensuring the use of the Generative Economy, industries face its transition from product to experience and sustainability, working virtual worlds to extend and improve the real world.

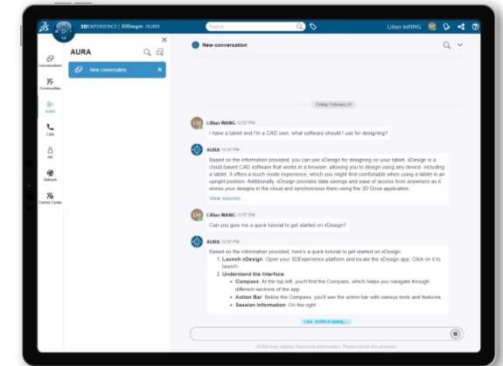
The recent progress of AI technologies, notably Large Language Models (LLMs) such as Mistral AI's is an opportunity to accelerate this journey.

Combining scientific modeling, simulation and AI, virtual twin experiences offer solutions to empower the workforce of the future. They reveal industry knowledge and know-how and answer to industrial needs for reliability while preserving intellectual property.

Mistral AI's LLMs, including the enterprise-grade "Larger" models, provide cutting-edge balance between accuracy, responsiveness and sustainable performance matching Dassault Systèmes' requirements. Therefore, Dassault Systèmes and Mistral AI's partnership aims at delivering to the market:

- A new **OUTSCALE** offering, "Large Language Models as a Service" or "LLMaaS" leveraging the OUTSCALE sovereign infrastructure, it provides Mistral AI's commercial large language models benefiting from the highest security and compliance standards, including ISO/IEC 27001.

- Generative experience powered by LLMs, they reveal and reorganize, in seconds, large volumes of industry knowledge and know-how, elevating generic data parameters for Dassault Systèmes' users.



[VIDEO]

OUR DISTINCTIVE APPROACH OF AI FOR INDUSTRY

Full Generativity of
Design Knowledge & Know-How

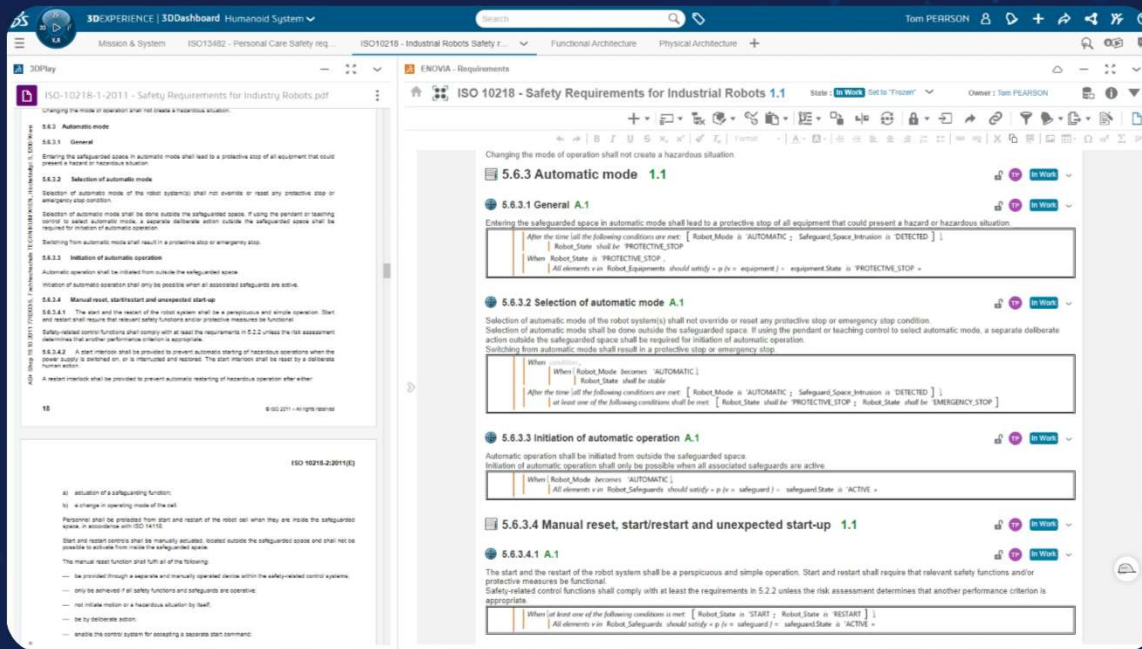


[VIDEO]

Best of breed **Large language Models as a Service**

Secure with **qualified sources** and **industry specialized models**

Secure with **Sovereign Cloud**



[VIDEO]



VIRTUAL
COMPANION

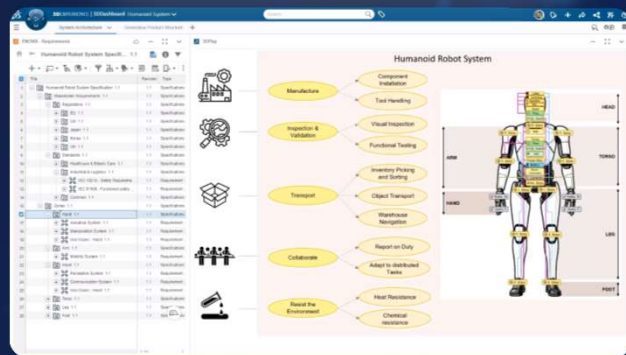
Transform vast historical data
into actionable knowledge

Capitalize knowledge
& know-how

VIRTUAL TWIN OF HUMANOID SYSTEM

AI
powered

Adaptive Connected Systems

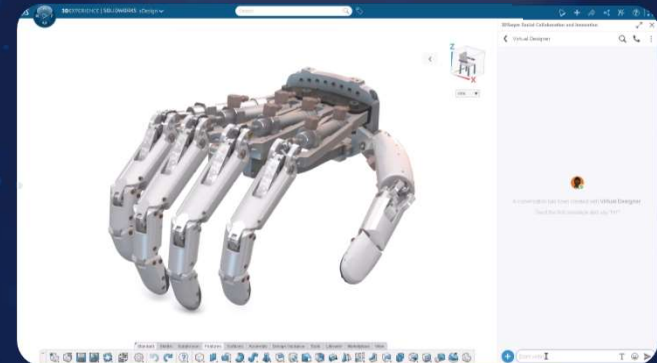


[VIDEO]

VIRTUAL TWIN OF PRODUCT

AI
powered

Next Generative Engineering

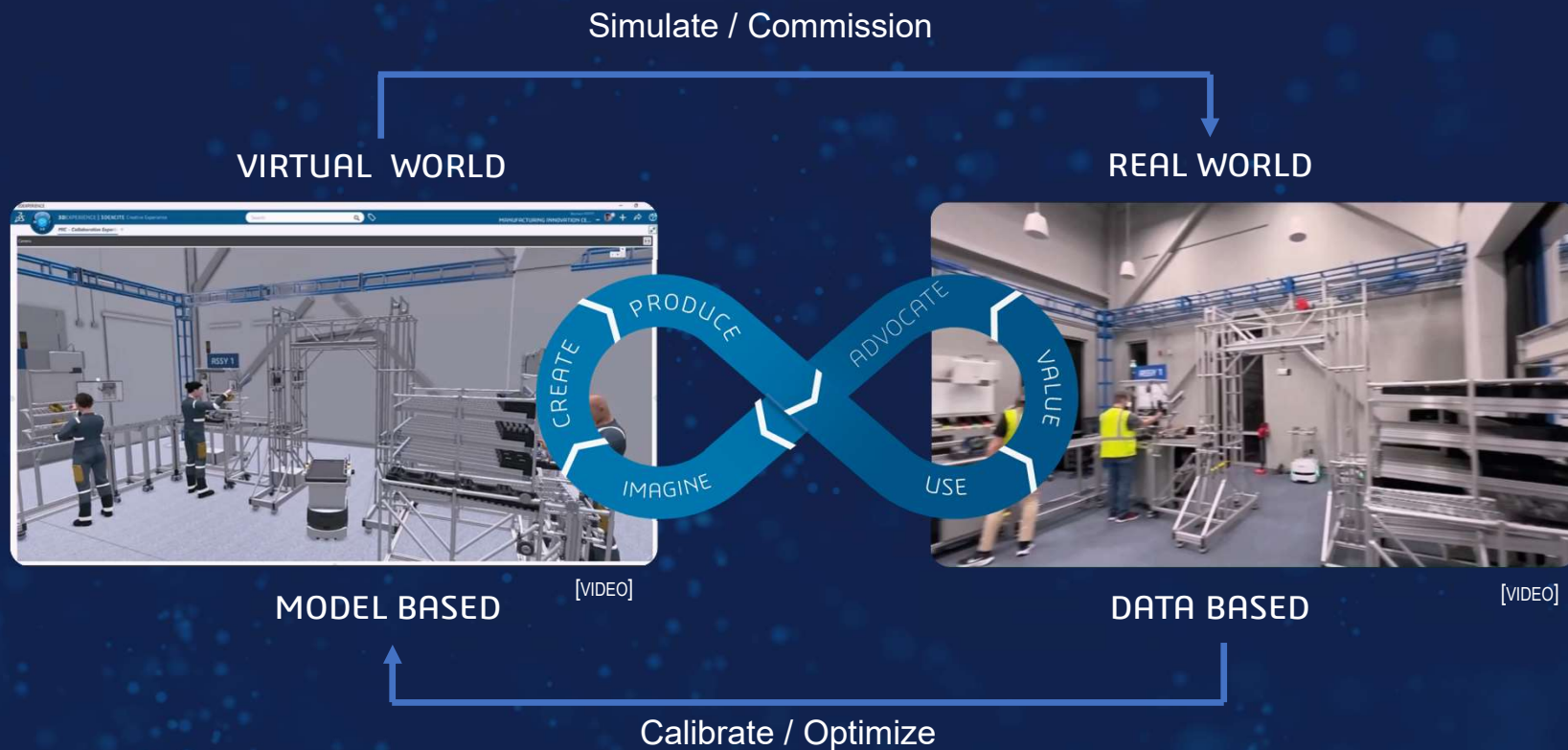


[VIDEO]

Factory
Virtual Twin



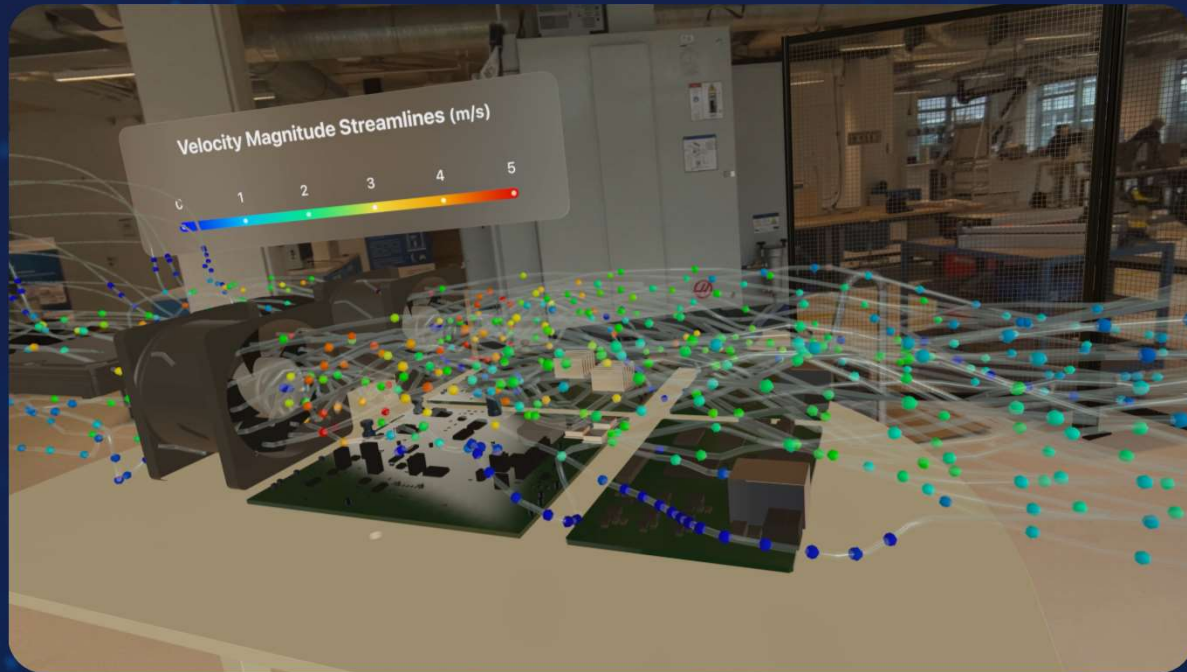
Equipment
Virtual Twin



POWERFUL, INTUITIVE AND IMMERSIVE SPATIAL EXPERIENCES



Dassault Systèmes has partnered with Apple to integrate Apple Vision Pro natively into the 3DEXPERIENCE platform



[VIDEO]

3D UNIVERSES SHAPE A NEW VALUE EQUATION



V

**VIRTUAL TWIN OF
PRODUCT**

X

**VIRTUAL TWIN OF
ORGANIZATION**

X

**VIRTUAL TWIN OF
BUSINESS MODEL**



Virtual Worlds for Real Life

