



LEVERAGING VIRTUAL TWINS FOR GREEN INDUSTRY

EU Connect University | Virtual Worlds | Nov. 7th 2023

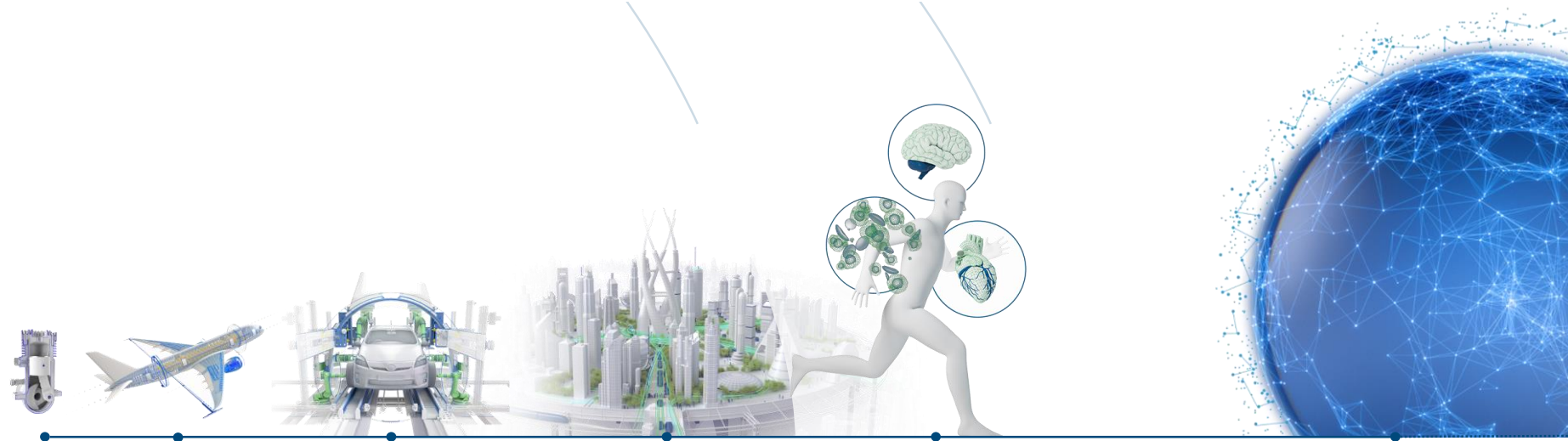


3DEXPERIENCE

Sébastien Massart
Chief Corporate Strategist



OUR LEGACY - HERITAGE AND AMBITION



1981
**3D
Design**

1989
3D DMU
Digital
Mock-up

1999
3D PLM
Product Lifecycle
Management



2012
3DEXPERIENCE®
platform

2020
Virtual Twin
Experience
of **Humans**



2040
Virtual Twin
Experiences
for a **Sustainable
World**

INDUSTRY

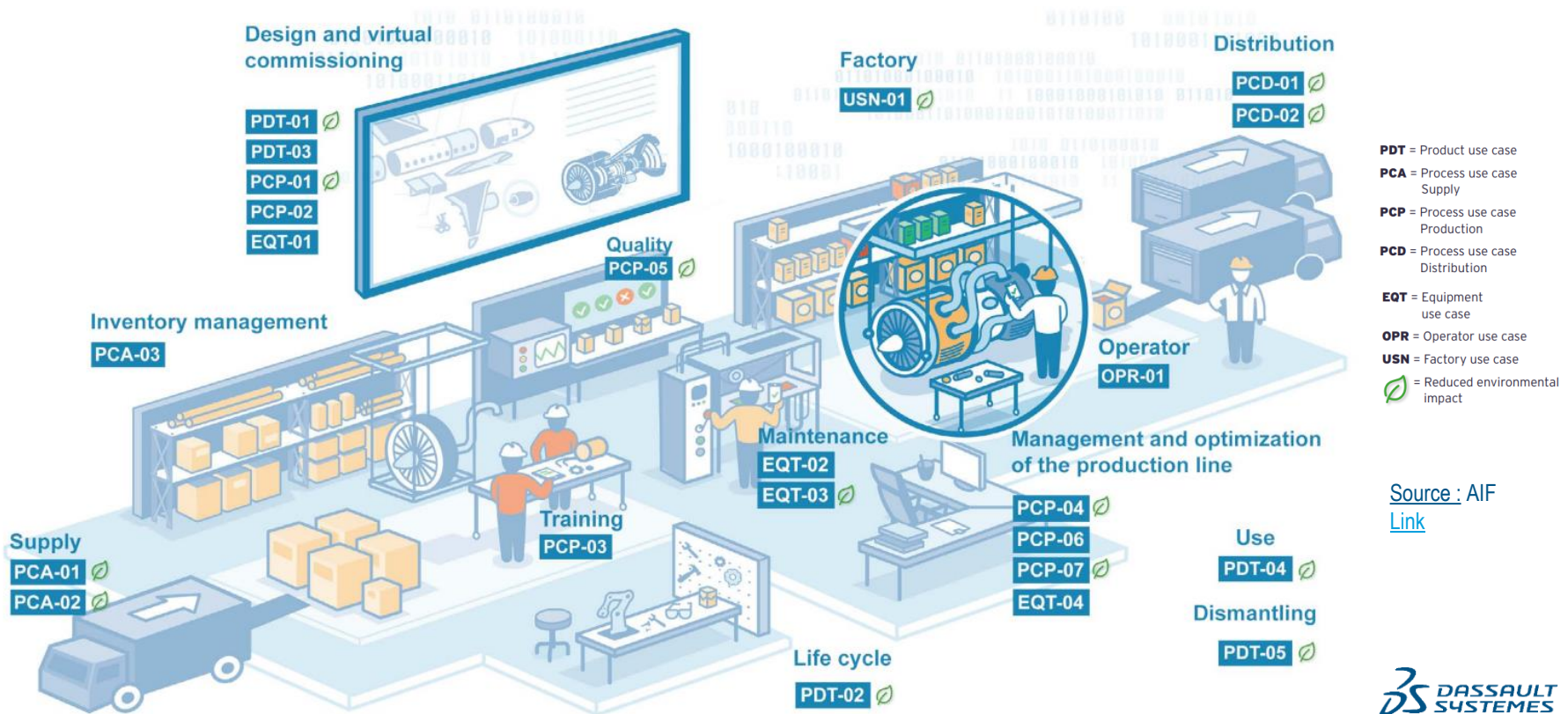
EXPERIENCE

HUMAN

METAMORPHOSIS

VIRTUAL TWINS | NOW A REALITY IN INDUSTRY

Digital Twin use cases | Classification & Analysis by « Alliance Industrie du Futur » ([link](#))



Source : AIF
[Link](#)

VIRTUAL TWINS POWERING THE NEW GREEN INDUSTRY

Engineering circularity through interoperability, modularity... (MBSE)



Example: EECONE (European ECOsystem for Green Electronic) project, “positioning Europe as a role model for low environmental impact electronics” ([link](#))

Accelerating green innovation through virtual-based certification...



Example: Concerto EU project ([link](#))

Assessing handprints for net positive contribution of digital



Source: Study “The critical role of virtual twins in accelerating sustainability” by Dassault Systèmes & Accenture ([link](#)) + Study by Greg Norris, Harvard, SHINE initiative ([link](#)) “Handprints of Product Innovation”

