



Scaling up the Production of Small Satellites and Attaining Commercial Success



3DEXPERIENCE®

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Our Vision

By bridging the Real and the Virtual universes,

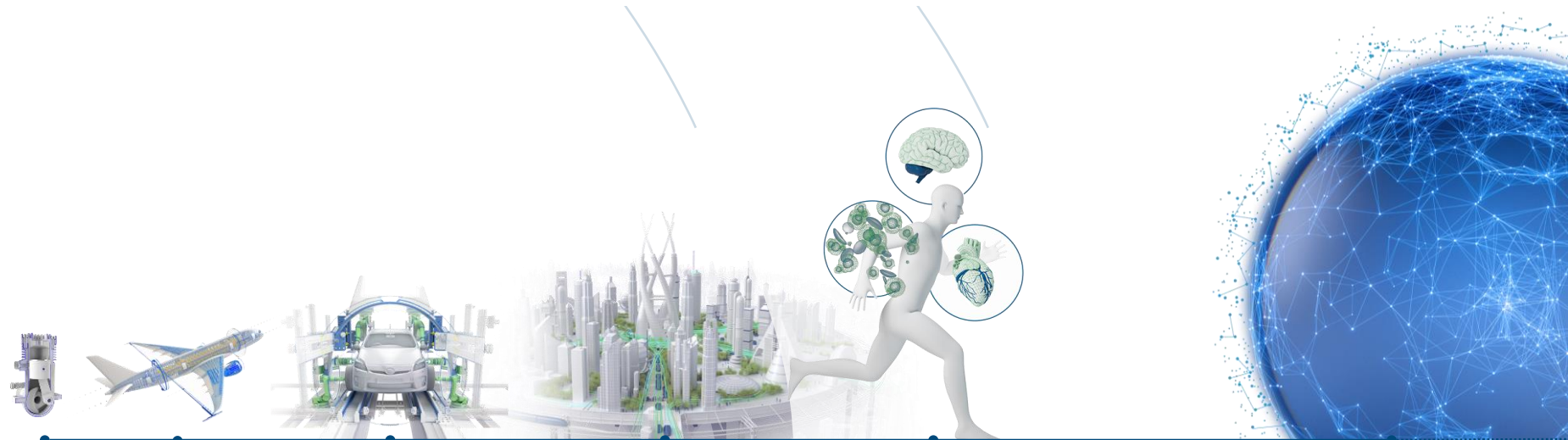
Dassault Systèmes accelerates

Innovation & Digital Transformation

for Space Systems



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

REDUCING THE DISTANCE BETWEEN V&R

3DEXPERIENCE Platform



IMAGINATIVE | IMMERSIVE | COLLABORATIVE | PREDICTIVE | SECURE

Space Objectives/ Technological Levers

100% Mission Success

- Evolved Hybrid Space Architectures
- End to End Quality
- Integrate Management of V+R Testing MODSIM

Drive affordability

- Handling the complexity of Multi-payload System capabilities
- Model Based Enterprise and System Engineering

Production / Operation Excellence

- Optimize Supply Chain
- Optimize the production, Smart Factory
- Digitalized Production & In-service Operations

Purpose driven Innovation

- Leverage advanced technologies in product development
- Virtual Twin experience of the mission

Sustainability in space

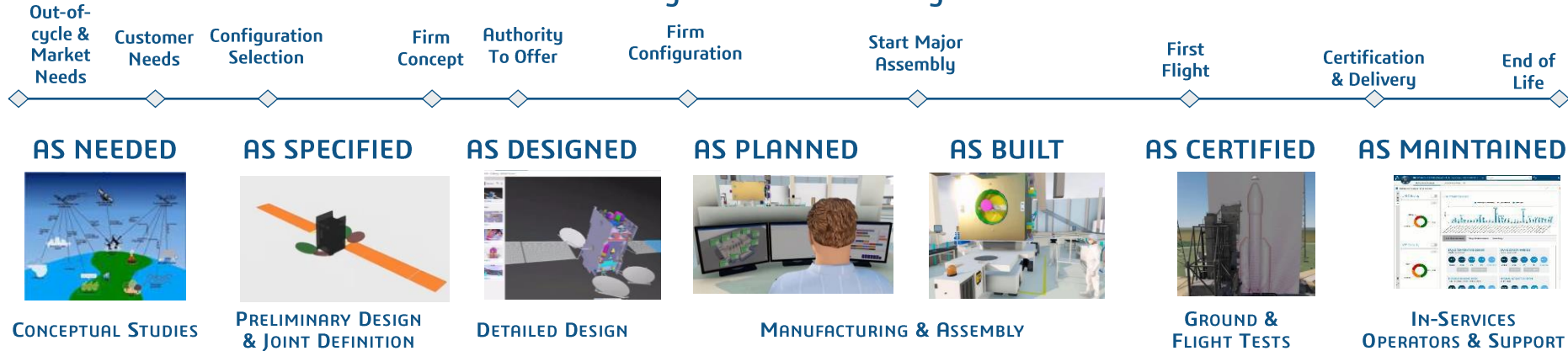
- Maximize operational data insights
- Integration, Validation & Verification for Compliance

In-Space Services

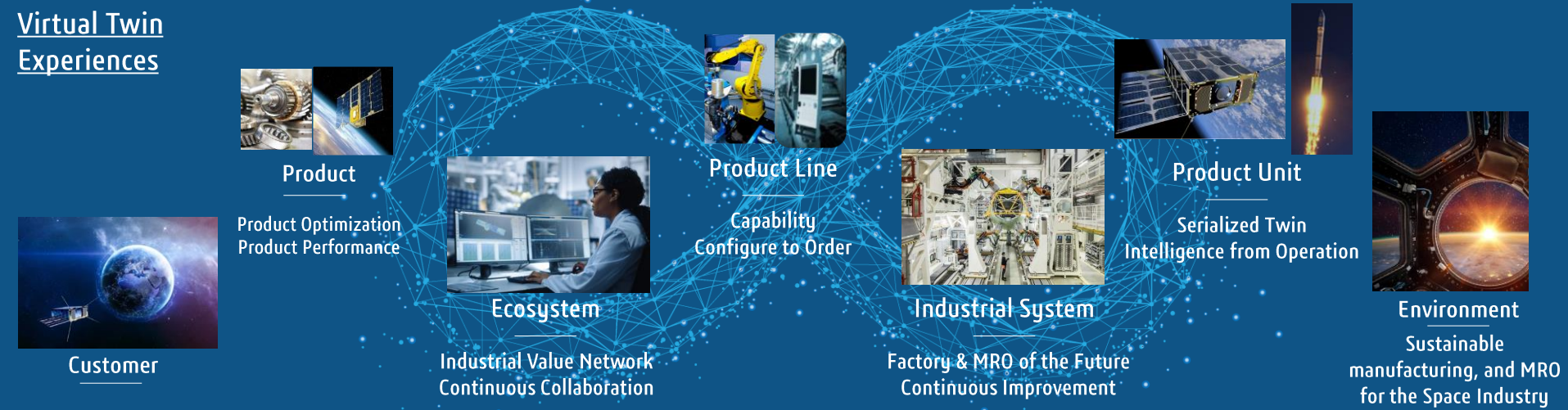
- Big Data Analytics, AI, Machine Learning
- Integration, Validation & Verification for Compliance

FROM CONCEPT TO OPERATIONS ON SHARED DATA & SERVICES

Virtual Twins along the Product Lifecycle:



Virtual Twin Experiences

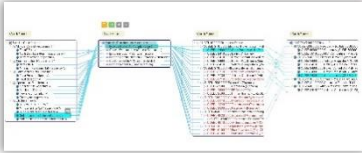


IMPROVE LIFE ON EARTH WITH NEW SPACE

Ramp-up Industrial System
and Operations



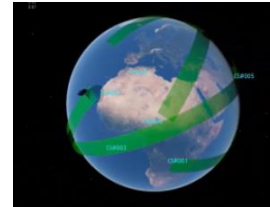
MBSE for Modular &
Multi Mission
architecture



Develop new business leveraging
geospatial data analytics



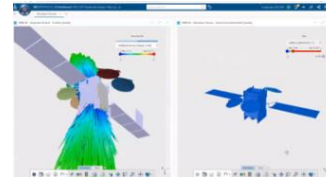
MBSE for
Constellation
Optimization



Collaborative platform
with New Space Ecosystem

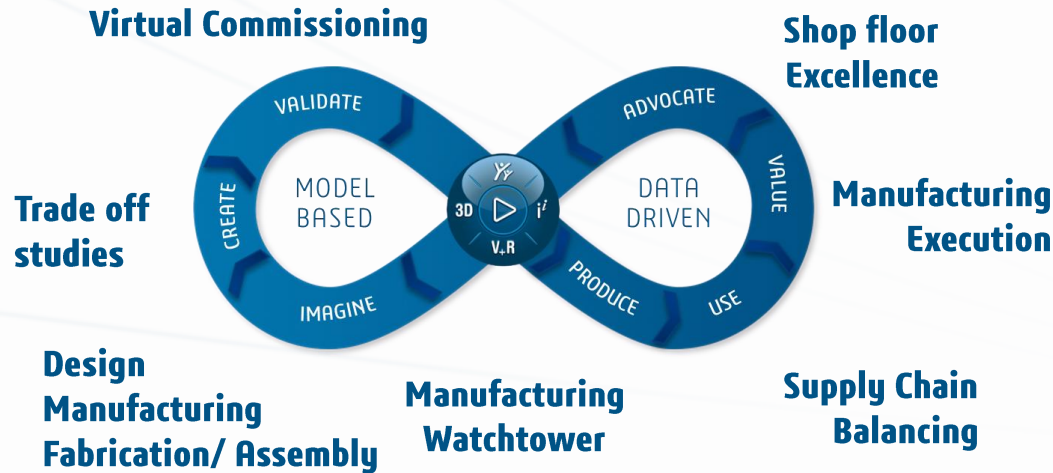


Model Based Compliance



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RAMP-UP INDUSTRIAL SYSTEM AND OPERATIONS



Empowering Manufacturing powerhouse to achieve maximum efficiency, by leveraging

- 1) Model Based System Engineering for Industrial Systems,
- 2) Virtual Twin of the Factory, and
- 3) Supply Chain performance synchronized with Production Rate

DISCOVER MORE
ON [3DS.COM](https://3ds.com)

