

# DIGITAL TWIN SIMULATION SOFTWARE

**EMPOWERING CONFIDENT DECISION MAKING IN AN UNCERTAIN WORLD**

MANUFACTURING/ENERGY & UTILITIES/CONSUMER GOODS  
AUTOMOTIVE/ AEROSPACE & DEFENSE /MOBILITY

For many people, the words “digital twin” conjure the image of a 3D model of a physical object. While traditional digital twins are replicas of individual machines, the newest class of digital twins can model entire organizations and complex systems that include the evolving dynamics of day-to-day business operations. Cosmo Tech provides holistic, strategically-driven digital twin simulation that leverages both predictive and prescriptive analytics to understand and ensure a future that is robust, resilient and sustainable.

## AT A GLANCE

**Top 5**

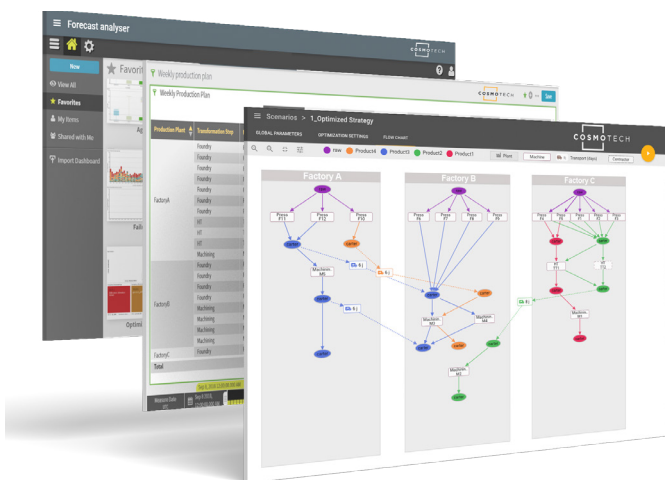
strategic technology trends to watch in 2021<sup>1</sup>

**10%**

efficiency increase for companies using Simulation Digital Twins<sup>2</sup>

**20-30%**

cost reduction for industries deploying digital twins<sup>3</sup>



## Digitally mimic your operations to find real-world answers through simulation experiments

- ✔ Simulate the dynamic evolution of your organization and gain full visibility on interdependencies, cascading effects and risks.
- ✔ Test unlimited scenarios that incorporate disruptions, anticipate all possible situations and plan for the future.
- ✔ Get an optimized action plan that you can actually act on and maximize your ROI.
- ✔ Move from a siloed, asset-based twin to a holistic, system-based digital twin and create real value for your whole business.

<sup>1</sup>Accenture Technology Vision 2021

<sup>2</sup>Top 10 Strategic Technology Trends, Gartner, 2019.

<sup>3</sup>Howells, Richard. Thought-Leader Round Table: Three Experts Discuss Digital Twins, Forbes, 2019.

## EXAMPLES OF DIGITAL TWIN APPLICATIONS



### Production Planning

Create optimized production plans to deliver value at every stage of your manufacturing process.

**+ 10% production throughput without additional investment**



### Strategic Sourcing

Optimize sourcing investment strategies based on cost and revenue structure while accounting for operational constraints.

**10M€/year logistics cost savings**



### Asset Investment Optimization

Optimize your asset management strategies and make the right investment for the right assets at the right time.

**50% annual capital investment reduction**

## A UNIQUE TECHNOLOGY PLATFORM TO MAXIMIZE RETURN ON DATA



### Reliable prediction in an uncertain world

Our technology models the dynamic behavior of an organization. It can detect emerging behaviors and predict results even under conditions that have never occurred before.



### Modular and scalable platform

No matter the size or complexity of your organization, or the number of experiments you want to run, grow as you go. You can mature and scale your digital twin to address all of your business challenges.



### Holistic, resilient business planning

Take more rapid but resilient decisions that remain aligned with customer expectation and create robust optimal plans for the short, medium, and long term.



### Cloud-native technology

Integrate seamlessly within data-lake, IoT & AI environments and facilitate data-sharing with stakeholders across the entire enterprise.

“**Cosmo Tech provides the deep holistic dynamic simulation technology needed for industrial prescriptive solutions, leveraging real-time data feeds and using models of dynamic behavior for 360 prescriptive analytics on an unlimited number of “What-if” and “How-to” scenarios.**”

Tony Shakib, General Manager, Microsoft Azure IoT

Gold  
Microsoft Partner




### Interested in learning more?

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