



Data & AI
Azure

Cosmo Tech AI-Simulation Platform

Prescriptive AI Simulation to support smarter
decision-making in Asset Management

20/02/2024





Balance cost, risk, performance

Given the complexity and scope of asset-intensive enterprises, choosing the right option from a pool of thousands of options is a challenge that every asset investment planner lives with daily.



Primary challenges

Auditing asset management decisions based on historical data and traditional methods are often error prone, rigid and lack the capacity to evolve even when the context of the business is uncertain.



Ideal solution

AI Simulation helps optimize capital expenditures, improve operational efficiency, reduce total asset management costs all in accordance with decision-making policies and processes that are sensitive to uncertain real-world conditions.



Desired outcomes

From strategy to planning to execution, businesses can develop a dynamic asset management model and find the optimal balance between business goals and operational constraints.

Cosmo Tech Asset Investment Planning

Cosmo Tech Asset is an AI-Simulation twin solution enabling asset managers to build an optimal OPEX/CAPEX asset investment plan to replace and renew obsolete equipment and control risk exposure



Maintenance policies

Simulate maintenance activities with required resources to bring OPEX in the financial balance.



Renewal Projects

Simulate equipment renewals and associated capital expenditure to evaluate investment scenario outcomes.



Optimized OPEX/CAPEX spend

Analyze competing strategic approaches and make confident, accurate decisions about asset maintenance and asset investment policies.

Cosmo Tech AI-Simulation Platform and Microsoft Azure Cloud

Simulation of complex organizations' evolution in uncertain environments to optimize all levels of decision making, ensuring a future that is robust, resilient and sustainable.



Operate hybrid seamlessly

Enhance security, simplify access, and set smart policies across your different environments with a single-identity platform trusted by 90% of enterprises globally.

High scalability

Customers can use several pre-built solutions or build completely new ones, manage, and deploy applications on a massive global network using cutting-edge technology, tools, and services.

Reach and unified data modeling

Cosmo Tech and Microsoft joint technology shares predictive and prescriptive models as well as ontologies in the DTO (Digital Twins of an Organization).



Customer success: RTE

“There are different ways to calculate optimal strategies, but only simulation can reassure us or, on the contrary, alert us to potential pitfalls.

- GABRIEL BAREUX, RTE

▶ **+15% Budget allocation**

Demonstrating that the strategy of doubling the efforts in terms of asset corrosion prevention, was much more cost-effective in the long run than aging asset replacement one.

▶ **-10% Total capital expenditure (TOTEX)**

Optimization paths had been identified to both slow the grow of the investment wall and strengthen the performance and robustness of the network.

▶ **-20% Operational conflicts**

Systemic approach to asset management considering maintenance and renewal interactions and integrating all stakeholder values, resources and constraints.



Make smarter Asset Investment decisions with next generation AI-simulation solutions

[Get a free trial](#)

Call for more information: +33 4 37 66 01 00

Ask a question via email: contact@cosmotech.com

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