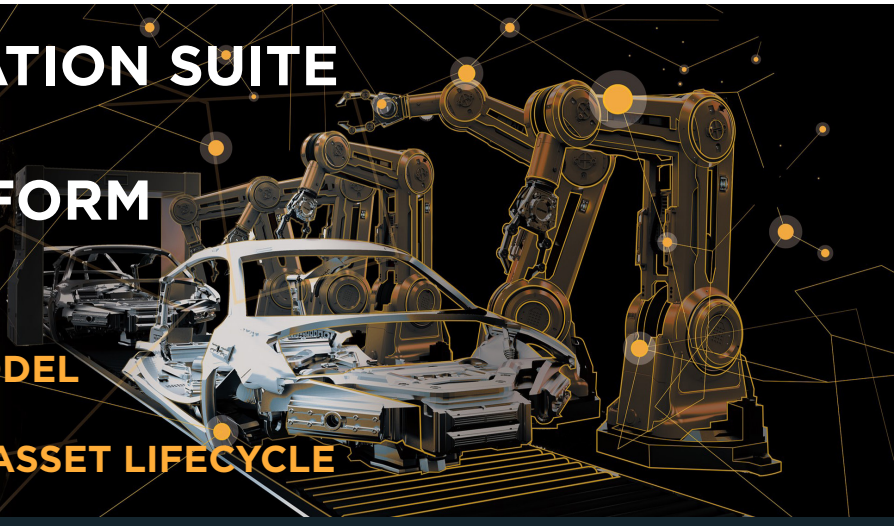
# IBM MAXIMO APPLICATION SUITE AND COSMO TECH AI-SIMULATION PLATFORM



## REINVENT YOUR OPERATING MODEL TO MAXIMIZE THE PHYSICAL AND FINANCIAL ASSET LIFECYCLE

In today's fast-evolving and uncertain global economy, end-to-end lifecycle asset management has become an imperative for asset intensive organizations.

Aging infrastructure, complex technology, unexpected downtime, and maintenance can lead to significant cost and safety repercussions that can easiliy affect a company's bottom line. More than ever, organizations must deploy asset strategies that can reduce risks and uncertainty in business operations while increasing revenue through optimal assets' operational performance.

**-10%**
TOTEX
(ISO Performance)

**-12%**
Operational
conflicts

**-75%**
Time spent on
investment planning

## Rethink your asset strategy for maximum return

### SIMULATION-DRIVEN SOLUTIONS

- Collaboratively link asset strategy and planning to execution.
- Quickly respond to changing circumstances and unforseen conditions.
- Maximize the efficiency and resiliency of maintenance operations by identifying resource bottlenecks.
- Enterprise-wide risk management by applying predictive and optimization models and mastering cascading effects on an entire network or organization.
- Build the optimal investment plan under CAPEX constraints by identifying trade-offs with several variables and technical constraints.

[ JOINT TECHNOLOGY ]

## HOW DOES IT WORK?

To achieve that, Cosmo Tech AI-Simulation Platform connects to maintenance and asset health information from IBM Maximo Application Suite and simulates the assets' physical lifetime and asset related activities as well as the assets' financial liefycle.

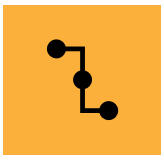
Cosmo Tech ASSET replicates all the IBM Maximo EAM applicable resources that constraint the feasability of the OPEX/CAPEX plan. These inputs are then used to simulate alternative maintenance policies and investments to guide the user to the optimal outcome.

By using IBM Maximo Application Suite and Cosmo Tech ASSET, businesses develop a dynamic model of their entire operational system and find the optimal balance between business goals and operational constraints.

## KEY FEATURES

### REAL-TIME MONITORING

Manage resources and assets at various stages of their lifecycle and make decisions based on up-to-date reliable data.

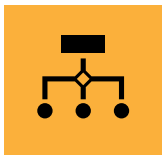


### BOTTLENECK IDENTIFICATION

Automatically identify bottlenecks and operational issues before they impact your business. Gain a deep understanding of the actions to take.

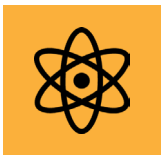
### WHAT-IF PREDICTIONS

Design and simulate unlimited «What-If» scenarios to optimize CAPEX allocation and maintenance strategy.



### ALTERNATIVE SCENARIOS

Simulate alternative maintenance policies and investments before they impact your business.



### HOW-TO OPTIMIZATION

Take corrective actions in a few minutes versus a few hours with step-by-step guidance for implementation.

### SENSITIVITY ANALYSIS

Test the sensitivity of the simulated scenario against uncertainty on key parameters to maximize planning robustness.

**50-80%**
**CAPEX Avoidance**

> "There are different ways to calculate optimal strategies, but only simulation can reassure us or, on the contrary, alert us to potential pitfalls. The advanced capabilities of simulation provide structure in a context of rapid transformation and uncertainties."
>
> - Asset Management Expert , Manufacturing Industry

COSMOTECH

IBM

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