



# The Enterprise Simulation Platform for Optimal Decision Making



# Client case **Achieving carbon neutrality and profitability**

Confidential

**Nexans**  
A Global leader  
in superconducting  
cable systems

COSMOTECH

# A major pain point: achieve **carbon neutrality** while increasing **profitability**

Contradictory  
constraints

Cascading  
effects and  
uncertainties

Constant  
changes

**Imagine you are the CEO of this  
global cable manufacturer**

# Reduce GHG & Improve Emissions & Profitability

from business group to site level

GHG emissions

Operational Margin

EBITDA

Capital Employed

Custom KPIs



**27 business units**

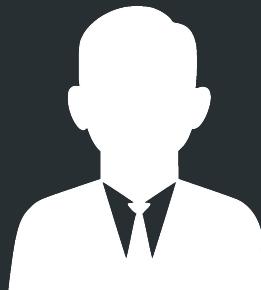


**45 000 combinations of supply and delivery routes**



**26 types of stakeholders**

Procurement Manager, Chief of Transport, Corporate Finance, VP industrial Strategy, Sustainable Development Manager, Site Director...



**8 types of energy sources**



**Levers of actions**

Downstream and upstream transport routes and modes/Solar panel/forklifts/electrical vehicles/steam boiler/heat recovery unit/led lighting/PV farm on roof/DC engine...

**> 900 decision variables**



BUILDING & TERRITORIES



HIGH VOLTAGE & PROJECTS

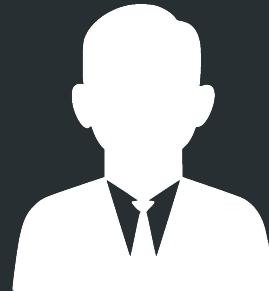


TELECOM & DATA



INDUSTRY & SOLUTIONS

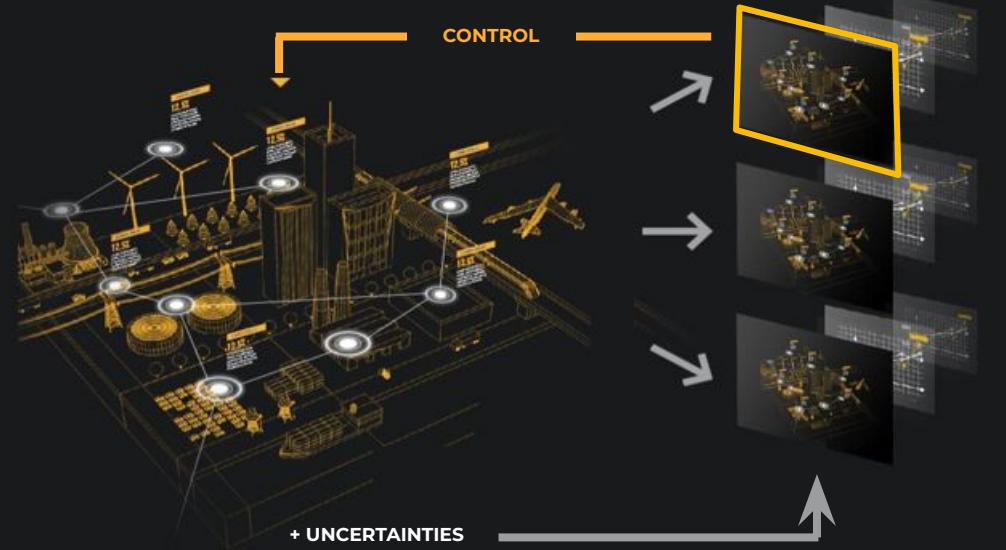
What do you do?



CEO

# Cosmo Tech

## 360° Simulation Digital Twins



REAL TIME REPLICA  
& REFERENT SIMULATION

SIMULATION DIGITAL TWIN

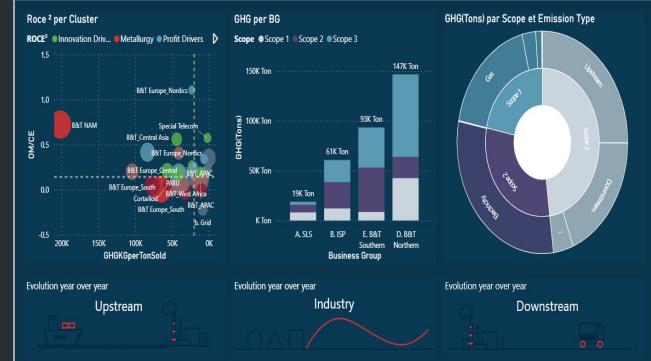
WHAT-IF & HOW-TO  
SCENARIOS

# E3 performance model allows to simulate environment, engagement and economic outcomes

2030 carbon neutrality enabler

-4,2 % carbon emissions per year.

-50 000t of CO<sub>2</sub> emissions per year.



# One Simulation Digital Twin program, several solutions for multiple applications across the company

Nexans



Nexans SaaS business offering for Electrical utility clients



Industry 4.0 to support Nexans performance



Support Nexans carbon neutral 2030 ambition

...

Asset Electrical (OEM)

Asset Manufacturing

Economic, Environment, Engagement (E3)

Supply Chain/Procurement (under discussion)

Cosmo Tech Simulation Digital Twin Platform

Azure Cloud Managed Services

# Cosmo Tech

## Servicing high value verticals heavy in complexity



Supply Chain & Manufacturing



Energy & Utilities



Smart Cities & Mobility

# Sample of strategic enterprise customers



AIRBUS



L'ORÉAL



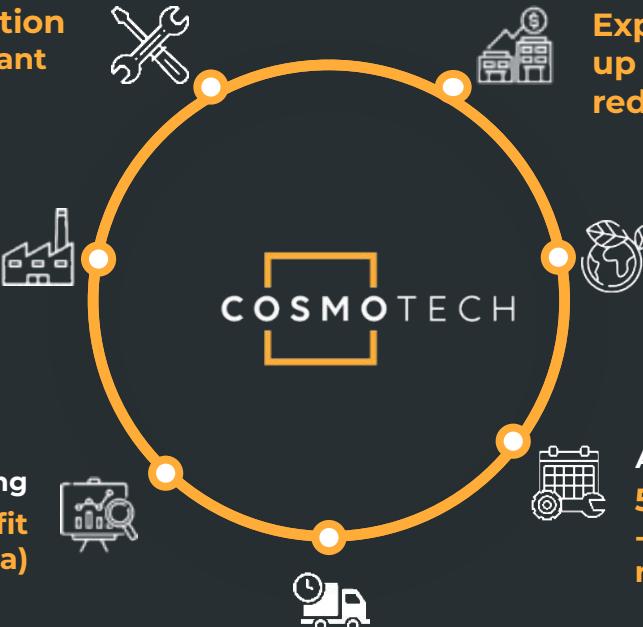
ALSTOM



# Customer examples with clear business outcomes

## Asset Business Plan & Integrated Planning

**-20% operational conflict reduction  
-10% TOTEX reduction under constant risk**



## Production, Planning & Control

**+10% throughput at constant CAPEX  
110M€ extra revenues**

## Network Design, Strategic Sourcing

**+5% profit  
€60M on one geography (China)**

## Financially Optimized Maintenance

**Expected Benefits:  
up to 75% operational risk reduction under constant OPEX**

## Economic and Sustainable Performance

**Carbon neutrality in 2030  
4 to 8% reduction/year of GHG**

## Asset Investment Planning

**50 to 80% postponed CAPEX  
-15% risk reduction with constant resources**

## Production line changeover

**€16M extra revenues**

# Partner Ecosystem ready to reach a vast addressable market

Strategic Vertical  
ISVs



Cloud, Datacenter &  
Application PaaS  
Service Providers



System integrators  
Consulting and  
Services Firms



Industry  
Partners





*Satya Nadella*  
**CEO, Microsoft**

COSMOTECH

# Cosmo Tech Fundraising

- Acceleration and Road to Profitability
- Syndicate around Inven Capital and Cemag + Corporate Investors
- Amount: €10-15m
- Closing Dates      1st: Dec. 31st 2022  
                          2nd: March 31st 2023
- Current investors



Get access  
to documentation



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