

# RTE

## Regulator Approved Budget and Request to Use the Simulation-based Approach Across All Renewal Policies

RTE, is Europe's largest transmission system operator. Since 2015, the operator has transformed its asset investment planning approach by relying on Cosmo Tech AI Simulation to de-silo maintenance and renewal decisions, identifying new optimization paths.

The validation in 2020 of its 15-year business plan and electricity tariff case confirmed and reinforced the use of simulation at RTE, which is in place today.

Through simulation, RTE enhanced the dialogue with the regulator, demonstrating the effects on and contributions to changes in technical policies on the network and investments over time. The regulator understood not only the impacts of the proposed strategy but also the reasons behind the requested spend by comparing the results of different scenario simulations.



**+15%** ■

### Budget allocation

Effectively demonstrated to the regulator an optimized Asset investment and maintenance strategy to manage the growth of the investment wall while strengthening network performance and robustness.

**-€700M** extra

### maintenance cost avoided ■

Simulations showed that increasing short-term painting maintenance for tower anti-corrosion would avoid far more costly maintenance in the long term.

**-300,000**

### Tons of CO<sub>2</sub> ■

Simulations confirmed the need to accelerate gas-insulated substation renewals, reducing nearly 13 tons of SF<sub>6</sub> emissions with a significant CO<sub>2</sub>-equivalent impact.