

Nexans launches Asset Electrical software for power grid asset management

- *As the Group pursues its new strategy aimed at growth in the value chain, Nexans introduces a new asset management service for Distribution System Operators (DSOs) in partnership with Cosmo Tech*
- *By providing DSOs with an in-depth digital view of their assets' life cycle and data analytics, Asset Electrical facilitates decision-making and delivers significant TOTEX savings*

Paris La Défense, June 4, 2019 – Digital transformation can bring numerous opportunities to utilities, and according to McKinsey, the transmission and distribution utilities could cumulate the most operating and maintenance cost savings¹. To help DSOs harness digital technologies, Nexans launches Asset Electrical, a strategic asset management solution for DSOs.

“Asset Electrical is a great example of our New Nexans strategy that will help the company to go beyond cables and grow in the value chain,” said **Jérôme Fournier, Nexans' Chief Technology Officer**. *“With this digital solution that builds on our rich expertise in electrical assets' ageing profile and behavior, we aim to help asset managers optimize their maintenance and renewal strategies in light of the many pressures on the industry we foresee going forward.”*

Strategic Digital Twin technology for utilities

Asset Electrical is a powerful platform designed especially for the complexity that DSO executives must cope with daily. The solution allows to find the balance between network performance, capital or operating expenditures and risk factors (including financial, regulatory, security and environmental aspects).

Among the key features of the software it is possible to:

- **Centralise and organise data** regarding the assets base and complete with Nexans' electrical asset ageing models,
- **Build a digital twin** of a network, accurately reflecting the entire network and the processes used to manage it (such as related inspections, repair and renewal strategies in place),
- **Create and test scenarios** on the digital twin baseline to measure the correlation between distribution grid performance indicators and capital expenditures and maintenance costs as well as to analyse risks across all silos historically focused on their individual objectives,
- **Decide** and validate the most relevant scenario to implement according to global objectives.

A powerful tool to improve cost efficiency of electrical grid assets

Asset Electrical has been launched to mitigate the investment wall associated with massive electrical components maintenance or renewal. The purpose of the platform is to optimize maintenance and renewal policy planning while taking into account all constraints usually

¹ McKinsey, *Digital opportunities in the utility sector*, January 2018

handled in silos by different departments. This innovation will also help adapt strategy due to the major arrival of distributed energy resources on the distribution grid.

Asset Electrical allows for reducing OPEX via maintenance savings, with negligible impact on grid performance. The solution delays or reduces CAPEX via safely rescheduling investments. In total it can deliver TOTEX (CAPEX + OPEX) savings up to 10-15 percent on mid- and long-term strategies.

Nexans is the first cable manufacturer that has been able to propose this solution for utilities, because of its unique collaboration with the start-up Cosmo Tech. By combining the Group's insight in critical components of energy distribution networks with the start-up's knowledge of data modelling and analysis, the two partners have created a one-of-a-kind asset management solution for the sector.

Jérôme Fournier added: *"In time, our ambition is that the software solution can be used by all electrical asset managers in utilities, as part of the engineering services provided by Nexans. This is part of our effort to keep improving our services to meet the user needs. We hope this platform will help make DSOs fit to meet the challenges of tomorrow."*

About Nexans

Nexans brings energy to life through an extensive range of advanced cabling systems, solutions and innovative services.

For over 120 years, Nexans has been providing customers with cutting-edge cabling infrastructure for power and data transmission. Today, beyond cables, the Group advises customers and designs solutions and services that maximize performance and efficiency of their projects in four main business areas: Building & Territories (including utilities, e-mobility), High Voltage & Projects (covering offshore wind farms, submarine interconnections, land high voltage), Telecom & Data (covering data transmission, telecom networks, hyperscale data centers, LAN), and Industry & Solutions (including renewables, transportation, Oil & Gas, automation, and others).

Corporate Social Responsibility is a guiding principle of Nexans' business activities and internal practices. In 2013 Nexans became the first cable provider to create a Foundation supporting sustainable initiatives bringing access to energy to disadvantaged communities worldwide. The Group's commitment to developing ethical, sustainable and high-quality cables also drives its active involvement within leading industry associations, including Europacable, the NEMA, ICF or CIGRE to mention a few.

Nexans employs nearly 27,000 people with industrial footprint in 34 countries and commercial activities worldwide. In 2018, the Group generated 6.5 billion euros in sales.

Nexans is listed on Euronext Paris, compartment A.

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