

The enabling responsibility of distribution system operators

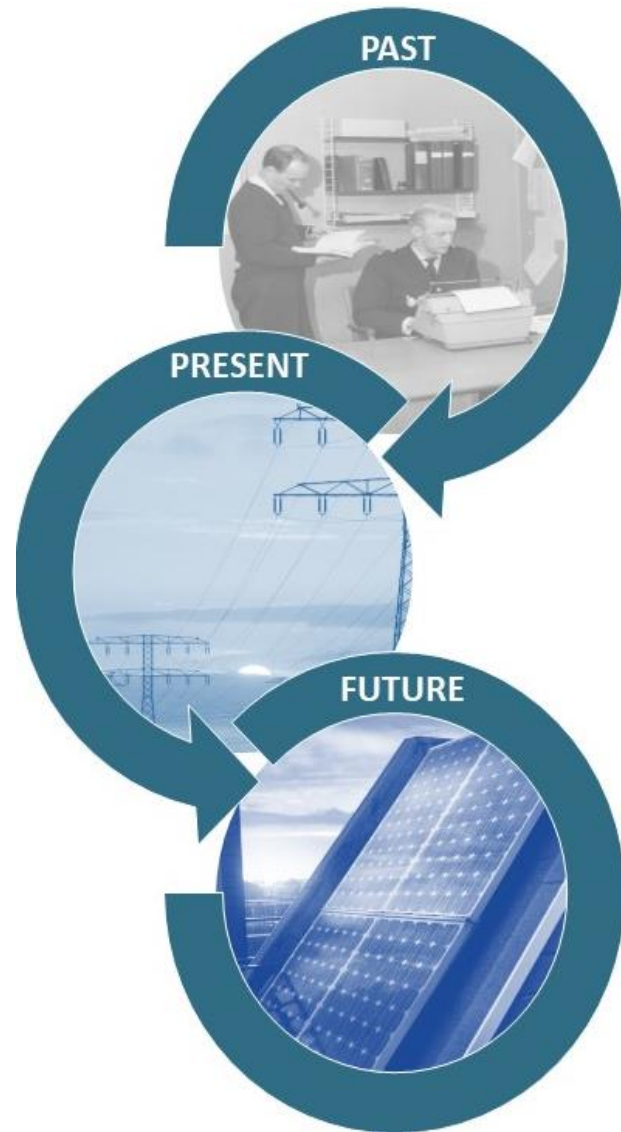
Presented by

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Principal

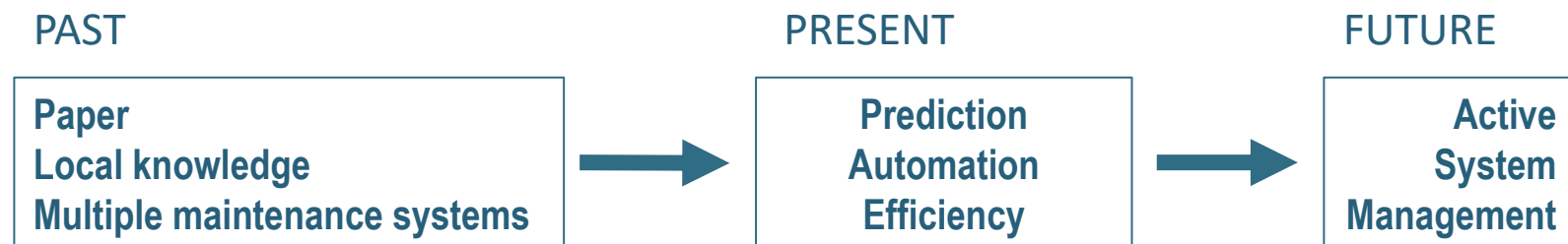
E.DSO — the Leading DSOs association of Europe

What Distribution Systems and Processes can be Digitalized and Automated?



To create an efficient system that maximises quality of supply with the customer at its heart: Distribution System Operators are facing unprecedented change through the use of data available from new technologies.

Investments in smart grids, digitalisation and communications technology are key for the integration of renewables; Data help optimise OPEX and CAPEX expenditures.



What are the Benefits and Challenges?

From Physical to Cyber-Physical Grids:

Investments in smart grids, digitalisation and communications technology are key for the integration of renewables and keep system costs down for citizens.

❖ Maintenance

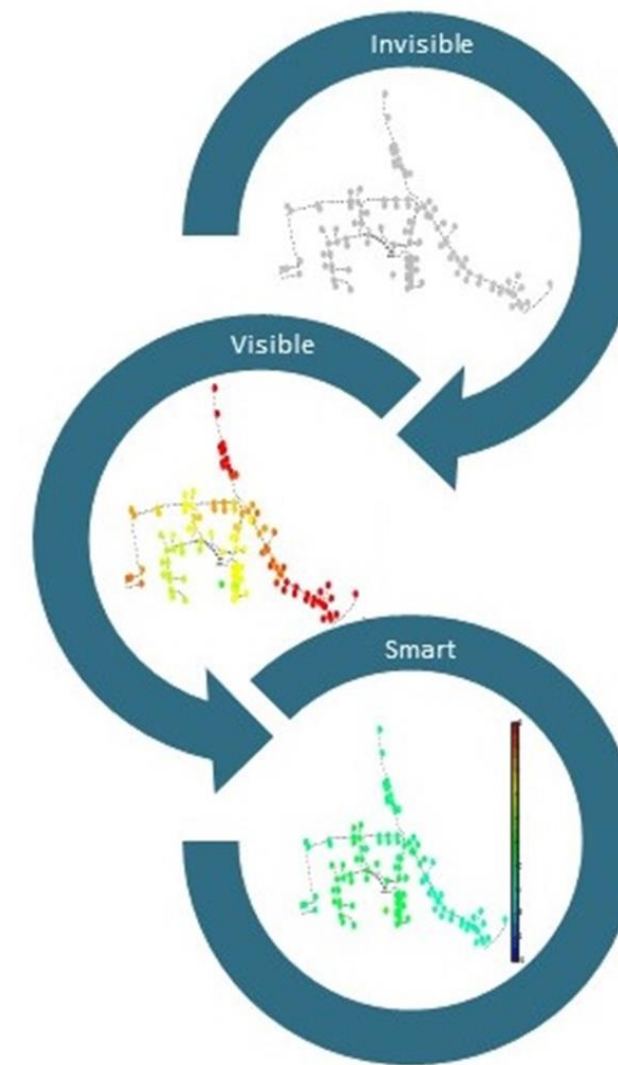
- ❖ Asset Management tools
- ❖ Predictive and selective maintenance
- ❖ Reduce unplanned blackouts
- ❖ Reduce Opex

❖ Increase Quality of Supply to Customers

- ❖ Reduce time requirement for blackout restoration
- ❖ Better Customer information & Communications

❖ Network Extension

- ❖ Better planning
- ❖ Asset capacity optimisation
- ❖ Capex Efficiency



❖ New Challenges

- ❖ Active System Management
- ❖ Digital Operational Tools
- ❖ Cybersecurity
- ❖ Active Grid Planning

**OLD WAYS
WON'T OPEN
NEW DOORS.**

❖ New Skills

- ❖ Congestion Management Operators
- ❖ IT-Energy Operators
- ❖ Ethical Hackers
- ❖ Data Science



EDDIE is a **four-year** (starting January 2020) Erasmus+ European Union funded collaborative project creating a **Sector Skill Alliance** (SSA) to develop a long-driven **Blueprint** for the digitalization the European Energy sector. The Consortium is coordinated by **COMILLAS** and brings together **16** partners from **10** EU Countries.

The objectives of the project are to **Develop** a European Sectorial Skills Alliance, **Implement** improved/new qualifications in national VET and beyond systems, **Fostering** the collaboration and mobility among European training centers, universities and industries, **Provide** a sustainable framework that allows education providers to define and update educational programs responding to industry changes, **Improve** the attractiveness of the Energy sector as a career choice.

Thank You

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