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CONSEIL INTERNATIONAL DES GRANDS RESEAUX ELECTRIQUES
INTERNATIONAL COUNCIL ON LARGE ELECTRIC SYSTEMS

STUDY COMMITTEE D2
INFORMATION SYSTEMS AND TELECOMMUNICATION

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Preferential Subject N° PS1

Advanced Distribution Management System as effective IT/OT platform for managing today and tomorrow electric network

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ADMS is advanced platform for effective managing electrical network from small region or micro grids to large area including distributed and traditional power generation. There are a lot of powerful functions and benefits that can be used for EU companies at the moment and for tomorrow challenges.

Each company are choosing and focusing on some needed functions providing by ADMS, here are:

- Network Model
- Power flow calculation
- State estimation
- FLISR (automatic fault localization and supply restoration)
- Crew management
- Distributed Generation management
- Optimization and modelling
- Network development and planning
- Voltage reduction and Volt/Var Control
- Demand response management
- Low voltage analyzing
- Etc..

The Schneider Electric ADMS is No. 1 last 5 years by GARTNER company reports and we would like show our experience and success stories of real implementations around the world. The customer challenges and our answers, there were difficulties and solutions in real projects.

The full package of Schneider Electric solutions includes more additional software applications (as predictive assets analyzing and management) which work together and bring to the customer synergy and maximize effects.

Schneider Electric Energy Automation Team hopes to share and exchange experience during this CIGRE colloquium between participants.