



8th EUROPEAN CONFERENCE ON SUBSTATION EQUIPMENT 24 & 25 NOVEMBER LYON - H7

“Electrifying to decarbonize in a digitalized world”

TOPICS

The Energy and Digital Transitions, of which electrification is at the heart, are more than ever a major issue of our time. In addition to the imperatives of reliability, sustainable development, competitiveness and compliance with regulations, there are now those of resilience and sovereignty.

These themes are central to the 2027 edition of MatPost, which will take place in Lyon. Eminent experts and decision-makers from the international electricity ecosystem will discuss for 2 days the many innovations and initiatives to accelerate the necessary transformations while preserving our environment.

6 TECHNICAL SESSIONS, 3 KEYNOTES, A PANEL DISCUSSION, AN EXHIBITION & AND A TECHNICAL VISIT

- **Massive electrification, Integration of renewable energies** (offshore wind, photovoltaics, hydrogen), **systems and infrastructures** (DC grids, fast charging, grid forming)
- **Evolution of equipment** (gas insulated technologies without SF6, electric mobility, batteries, increase in required performance) and **substation architectures** (power distribution for data centers, etc.).
- **Simulation and advanced modeling to accelerate projects** (“Electromagnetic Transient Models”, digital twins, AI by design, impact of quantum)
- **Network supervision and digitalization:** connected devices and automation, contribution of digital technology to the resilience and robustness of infrastructures, interest of virtualization associated with Process Bus technologies, impact of architectures on system performance, certification
- **Effects of normative and regulatory changes on equipment** with the following key themes: the ban on SF6, REACH including certain PFAS, the “Cyber Resilience Act”, the “Cyber Solidarity Act”, the harmonization of standardizations
- **Sustainability and sovereignty:** Raw materials, Criticality, sobriety, recycling, Equipment reparability, ability to adapt to climate and geopolitical crises



Three “**Keynotes**” and a **panel discussion** will enrich the interventions, which will also aim to meet the skills needs of the electricity sector.

Many exhibitors will also have the opportunity to showcase and exchange on their most recent innovations. These presentations will take place in parallel with the sessions.

This edition will be crowned by the **technical visit** of RTE’s 24-hour digital supervision center.



To find out more:

Visit the MatPost2027 website:
www.matpost.org

Organizer





8th EUROPEAN CONFERENCE ON SUBSTATION EQUIPMENT

24 & 25 NOVEMBER

LYON - H7

MATPOST 2027 PROGRAM

Main Theme: Electrifying to Decarbonize in a Digitalized World

Location: Lyon, France

Dates: November 24–25, 2027

NOVEMBER 24–25, 2027 (DAYS 1 & 2)

Exhibition & Networking

- Industrial and academic exhibition booths
- Technology demonstrations
- Pitch sessions

NOVEMBER 24, 2027 (DAY 1)

› Opening Keynote

Theme: Technological Innovation Driving the Energy Transition

Speaker: Vera SILVA, CSTO Electrification, GE Vernova

› Session 1

Mass Electrification, Renewable Energy Integration (Offshore Wind, Photovoltaics, Hydrogen), Systems and Infrastructure (DC Grids, Fast Charging, Grid-Forming Technologies)

Moderators: Franklin BIGOT (MasterGrid) & Samuel NGEUFEU (RTE)

› Session 2

Advances in Equipment (SF₆-free sealed technologies, electric mobility, batteries, increasing performance requirements) and Substation Architectures (power distribution for data centers, etc.)

Moderator: Abasse TIMERA (RTE)

› Session 3

Advanced Simulation and Modeling to Accelerate Projects (Electromagnetic Transient Models, Digital Twins, AI from the Design Stage, Quantum Computing Impact)

Moderators: Diego ALBERTO (Schneider Electric) & Marc Petit (CentraleSupélec)

› Closing Keynote (to be confirmed)

Theme: Regulation, Energy Sovereignty, and Political Challenges

Speaker: To be confirmed

› Proposed Technical Visit

RTE 24/7 Digital Control Center

› Gala Dinner

NOVEMBER 25, 2027 (DAY 2)

› Morning Keynote

Theme: Cybersecurity and the Resilience of Critical Infrastructure

Speaker: Xavier WAYNEL (RTE)

› Session 4

Grid Supervision and Digitalization: Communicating Devices and Automation, Digital Technologies Supporting Infrastructure Resilience and Robustness, Benefits of Virtualization Combined with Process Bus Technologies, Impact of System Architectures on Performance, and Certification

Moderator: Ronald KUBELEC (Siemens)

› Strategic Round Table (Late Morning)

Theme: Substations 2028+: Intelligence, Virtualization, and IT/OT Convergence – New Resilience Standards in the Post-CRA Era (CRA = Cyber Resilience Act)

Participants: To be confirmed

Moderator: Jean-Luc RAYON (GE Vernova)

› Session 5

The Impact of Regulatory and Standardization Developments on Equipment, with key topics including: The phase-out of SF₆, REACH regulations, including certain PFAS, The Cyber Resilience Act, The Cyber Solidarity Act, Harmonization of standards

Moderators: François TRICHON (Schneider Electric) & Emma Grob (GE Vernova)

› Session 6

Sustainability and Sovereignty: Raw Materials, Criticality, Resource Efficiency, Recycling, Equipment Repairability, and Adaptation to Climate and Geopolitical Crises

Moderators: Solène Laurent (GE Vernova) & Guillaume HUGUET (MasterGrid)

› Proposed Technical Visit

RTE 24/7 Digital Control Center

› Closing Remarks

Dominique Serve (Chair of MATPOST 2027)



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