Distribution in a transforming grid

Across the world the energy transition is transforming distribution networks

Through the emergence of bi-directional power flow, DER, demand side dynamics and more, distribution organisations are increasingly faced with system operation challenges that require specialised expertise and collaboration.

The challenge is no longer just maintaining reliability. It is about understanding, operating, and designing a future-ready grid, in an environment where **coordination with other key players** in the wider power system, is a necessity.

CIGRE meets this need with it's apolitical, technically neutral, and friendly environment. This provides distribution professionals with a space to engage openly with **experts from every part of the power system**, without attending distant events and incurring the cost that involves.

CIGRE's culture, ensures meaningful technical exchange, in the context of a unique worldwide community of national organisations, covering over 90 countries. This enables professionals to both draw on global knowledge while interacting with local colleagues, on local issues, in the language of their jurisdiction. All without commercial pressure or policy agendas.

We are seeing strong growth in participation from the distribution community, with experts increasingly contributing to CIGRE's **250+ working groups, publications and technical events**. Medium-voltage systems, are a rapidly growing focus of our work, reflecting the central role distribution plays in the energy transition.

Learn more about CIGRE's value
The expertise shaping tomorrow's power systems is already forming at CIGRE collaboratively, globally, and with an in-depth focus on distribution and transmission coordination. Read more about the some of the key areas below.

Get involved
We invite distribution professionals to join CIGRE and participate in our working groups and help us to define the next generation of power systems.

JOIN CIGRE