

CIGRE NGN Netherlands

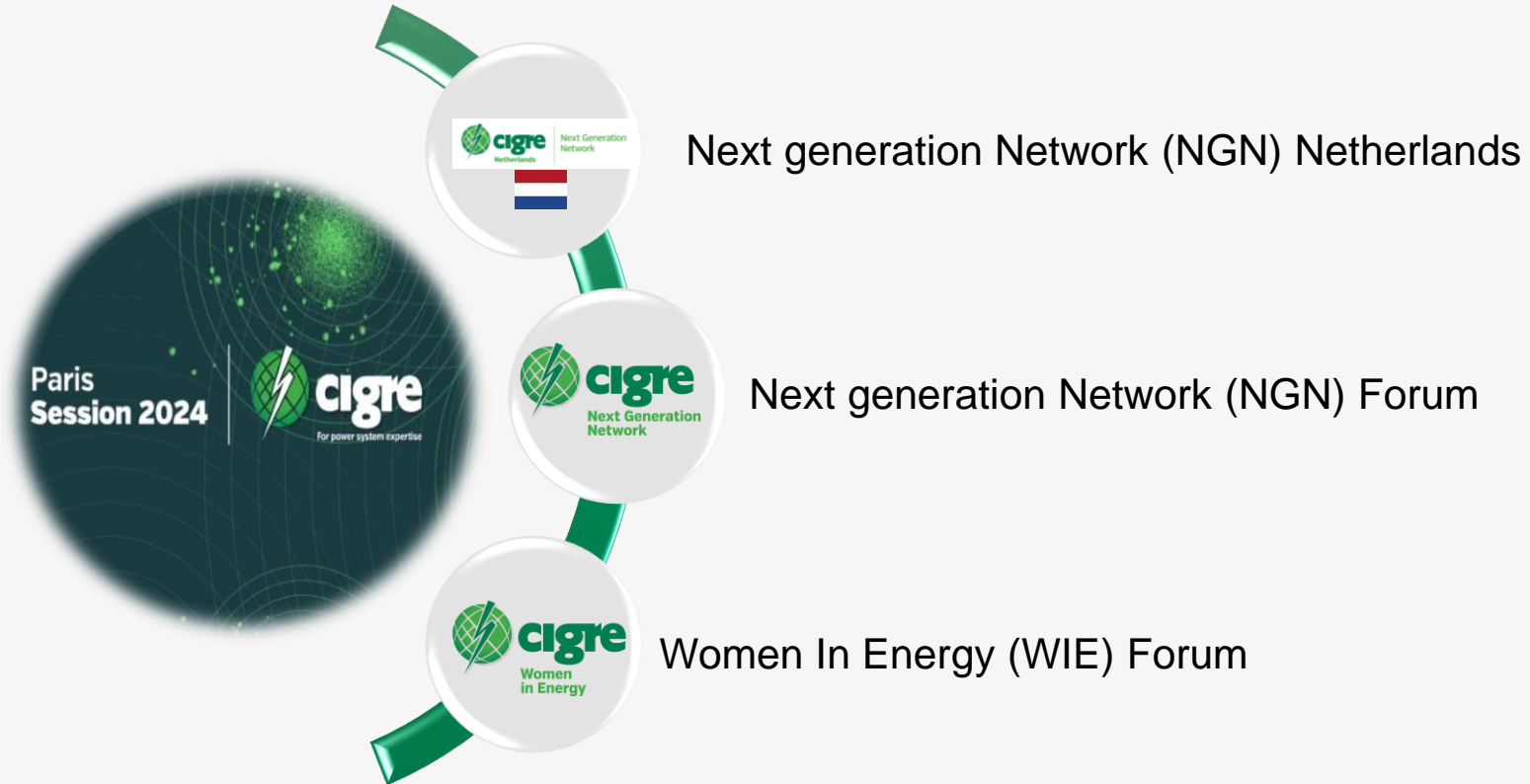
Paris session 2024 – Take aways



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Context



Quick Intro

Lakshna Kalpoe

- Graduated from University of Twente (2020), MSc. Electrical Engineering - Communication networks.
- Working in TenneT (2020). Currently working at TenneT as an asset specialist communications networks.
- Board member of CIGRE NGN NL since 2021.



Next Generation Network (NGN)



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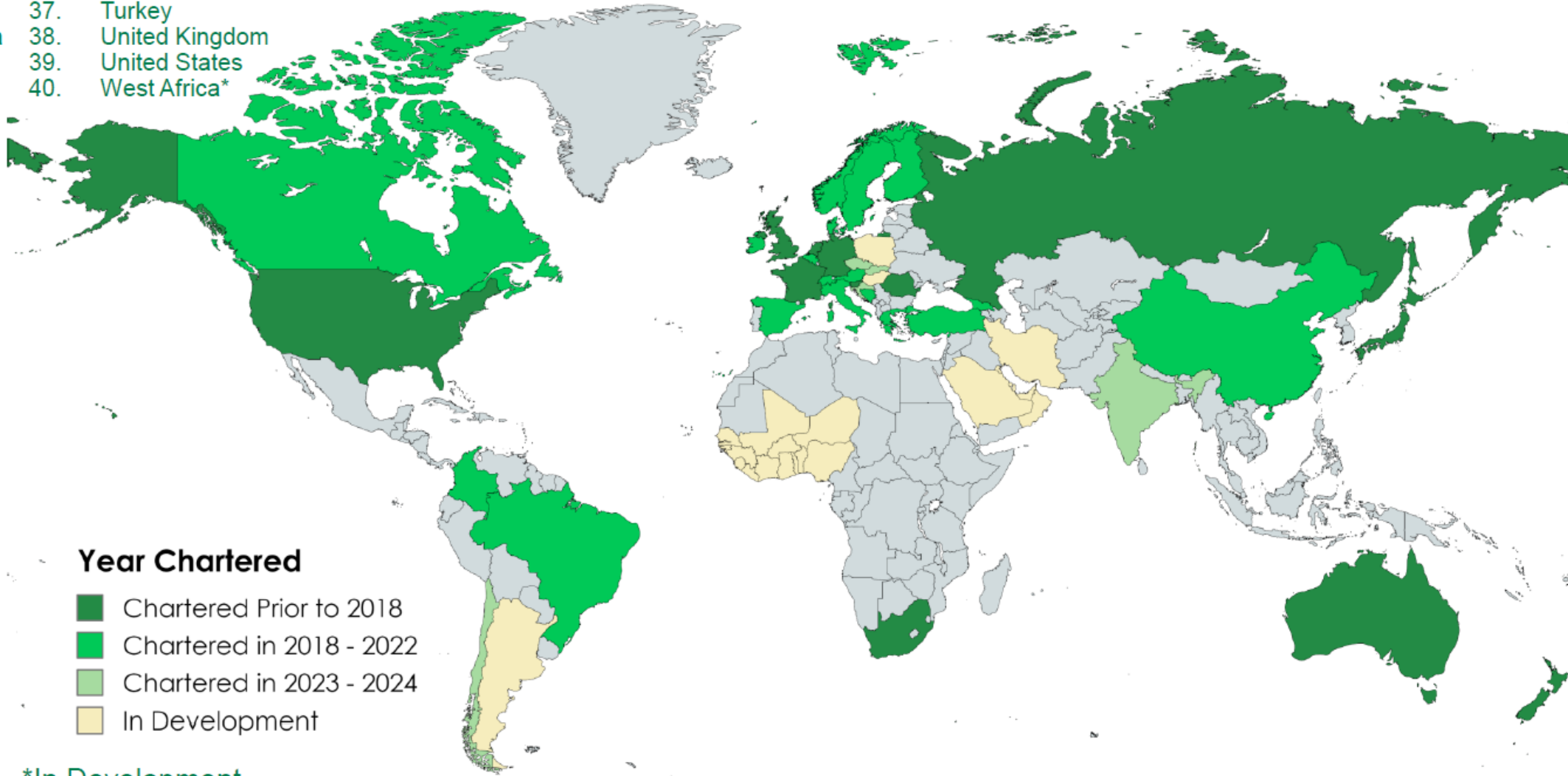
Next Generation Network

- Focus: Young professional under 35 → the NGN represents the gateway into the multifaceted world of CIGRE.
- Through us ,network with like-minded professionals or collaborate on technical innovations with smart, creative, or even '*disruptive ideas*'...because the Grid needs *new approaches*!



Current NGN Groups:

- | | | | |
|-----|---------------------------------|-----|----------------|
| 1. | Argentina* | 34. | Spain |
| 2. | Australia | 35. | Sweden |
| 3. | Austria | 36. | Switzerland |
| 4. | Belgium | 37. | Turkey |
| 5. | Bosnia & Herzegovina | 38. | United Kingdom |
| 6. | Brazil | 39. | United States |
| 7. | Canada | 40. | West Africa* |
| 8. | Chile | | |
| 9. | China | | |
| 10. | Colombia | | |
| 11. | Croatia | | |
| 12. | Czech & Slovak | | |
| 13. | Denmark | | |
| 14. | Finland | | |
| 15. | France | | |
| 16. | Georgia | | |
| 17. | Germany | | |
| 18. | Greece | | |
| 19. | Gulf Cooperative Council (GCC)* | | |
| 20. | Hungary* | | |
| 21. | India | | |
| 22. | Iran* | | |
| 23. | Ireland | | |
| 24. | Italy | | |
| 25. | Japan | | |
| 26. | Netherlands | | |
| 27. | New Zealand | | |
| 28. | Norway | | |
| 29. | Poland* | | |
| 30. | Romania | | |
| 31. | Russia | | |
| 32. | Slovenia | | |
| 33. | South Africa | | |



Year Chartered

- Chartered Prior to 2018
- Chartered in 2018 - 2022
- Chartered in 2023 - 2024
- In Development

*In Development

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Our mission

The Next Generation Network (Young CIGRE) supports young professionals in career development and introduction to CIGRE, regardless of their current job in the energy sector.



Next Generation
Network

Founded: 2014

Objectives

- To encourage active membership of CIGRE NGN both for the benefit of NGN members and the NGN group. → NGN presentations (TUs)
- To support/promote activities, such as technical visits, tutorials, and meetings for the CIGRE NGN. → Teamday events
- To organize appropriate CIGRE NGN networking events → Matchmaking
- To improve communication between CIGRE and NGN members → NGN IEC + DB meeting

NGN Netherlands Board



Next Generation Network

Chair



Sanjay Ganeshan



Secretary



Lakshna Kalpoe



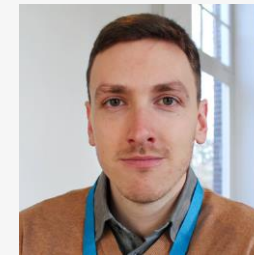
Board member



Parya Pourebrahim



Board member



Aleksandar Boričić



Board member



Ioan Juravle



NGN Forum

Paris 2024



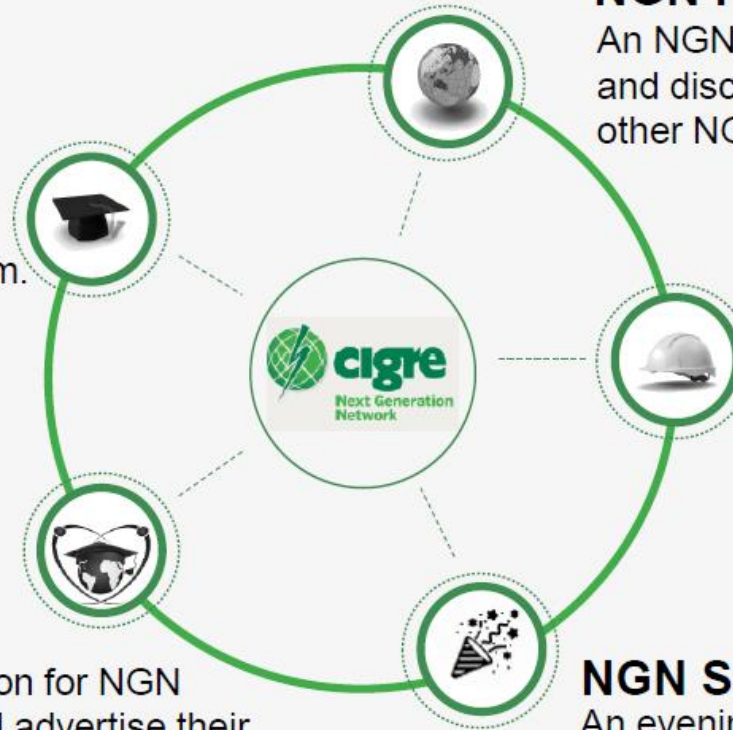
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Paris 2024 Session: NGN Activities

NGN Showcase & Presentation Competition

Presenters will present in the Group Discussion Meetings, take part in the poster sessions and also present in a special competition event just before the NGN Forum.



NGN Forum

An NGN session packed with engaging presentations and discussions. A chance to meet and learn from other NGN groups and CIGRE experts.

NGN Technical Event

A visit to a local museum of technological innovation in Paris. An opportunity to learn and to network with fellow NGN members

NGN Booth

Exhibition stand as a central location for NGN members to meet, share ideas and advertise their contributions to CIGRE, including a program of events and meet-ups with industry experts.

NGN Social Event

An evening event to facilitate networking and building of friendships between international NGN members and further ad-hoc opportunities to network.



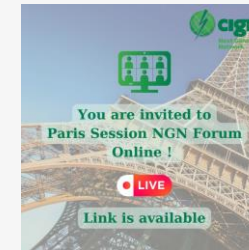
NGN Main activities

- NGN booth
 - NGN Group discussion/networking
 - Startups forum (new)
- CIGRE NGN awards

Phillip Coughlan (Australia); Aditie Garg (India); Bogdan Leu (Romania)
GEN LI (Denmark); Laetitia MAUGAIN (France)
- Biennial NGN showcase competition (*hybrid*)

The competition included 23 presenters.

 - Winner: Horacio Silva (US)
 - Honorable Mention: Leo Richard (France), Yanting Cheng (China) & Haonan Yang (UK).



CIGRE AWARDS 2024



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Phillip Coughlan



Aditie Garg



Bogdan Leu



Gen Li



Laetitia Maugain



2024 NGN Showcase

2024 Showcase Selections Results

	2016	2018	2020	2021*	2022**	2024
Participating Countries	14	21	23	19	12	23
Nominations	38	52	63	44	30	55
Selections	22	31	33	29	26	28
SCs Represented	16	13	16	14	16	14

*Note: Several countries chose not to participate due to the uncertainty regarding the pandemic and travel to the Paris Session.

**Note: First year full papers were required as part of each candidate's nomination materials.

NGN Forum at Paris session 2024

- PPT: Real time pollution monitoring and diagnostics of Air insulated switchgear oriented to predictive maintenance (A3-NGN Italy).
- PPT: Using digital twins –enhance decision making process (D2 – NGN India).

Other NGN PPT: NGN Brazil, Czech and Slovak, USA, Australia, Turkey.

Conclusion:

- Creating meaningful event experiences → Goal met!
- NGN NL was represented in the booth but still a bit quiet this Paris session.



Women In Energy Forum



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WiE at Paris session 2024 (7th)

Laura Fleming: Diverse minds are required to tackle the challenges ahead.



Marcela Mantilla: “Net Zero Initiative” –. Everyone can contribute to pave the way to a more sustainable and inclusive energy future. With major focus on education and social dynamics.



Philippe Adam: Stated that we can see an increase in the number of women leading governance bodies in CIGRE.

Undeniable value of digital tools → In permanent evolution are the website, library, membership registration, publication of papers, Electra, working group management, customer relationship management and digitalization of the technical brochures with translation in every language.

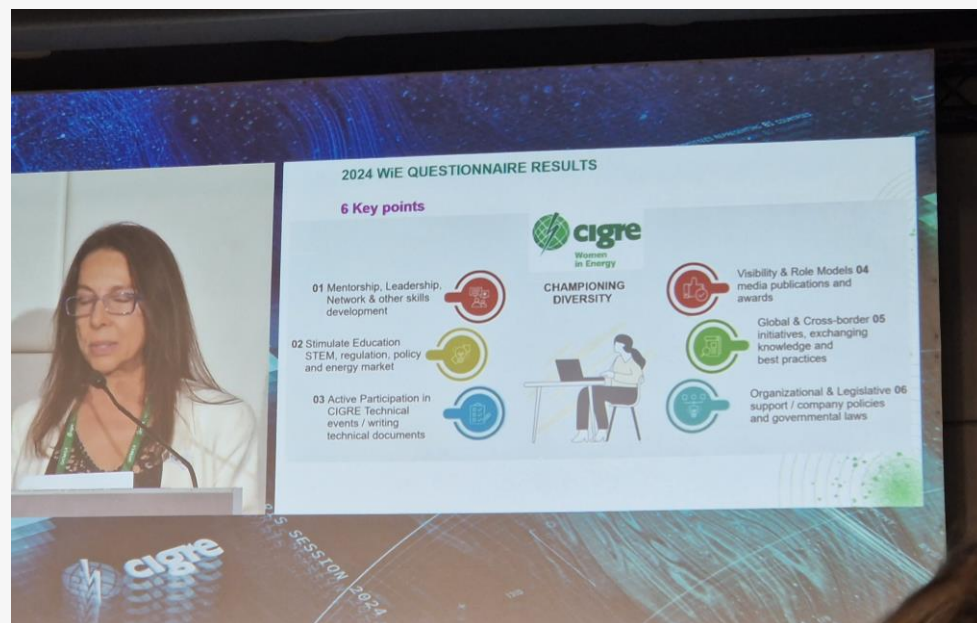


WiE at Paris session 2024 (7th)

New: Networking with WiE chairs from each country during lunch.

Lessons from president of CIGRE (**Konstantin O. Papailiou**):

- Don't wait for perfect, because perfect won't come. In 10 minutes, everything will change.
- If you have a new innovative idea at work, don't stop when you hear no the first time, carry on (with guidance).
- It is important to school the new generation about energy transition. And this starts with yourself!

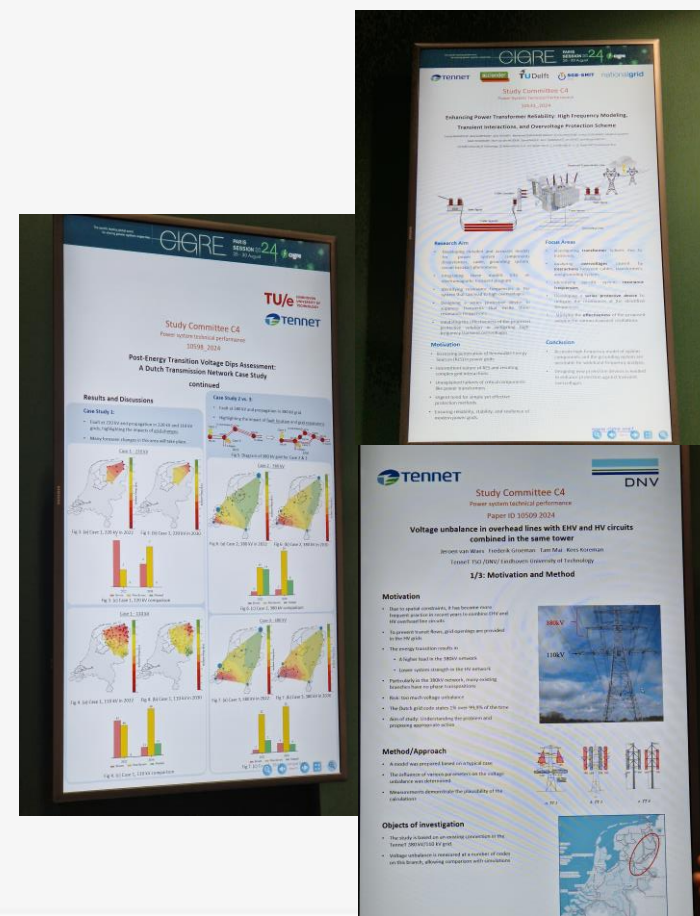


Good:

- A lot of participants as companies
 >120 D2 participants & 76 D2 papers.
- Include younger generation
 Presentations were made on the purpose of NGN and how to obtain more information for anyone who is interested.
- Networking
 You can meet like minded people here to grab a drink /organize ad-hoc dinner plans. Lasting impact of fostering meaningful connections (WIE + Hollandse avond + Soiree + NGN Forum).

Improving:

- CIGRE NGN NL can be more active. Therefore, we need all of you (more active members)



CIGRE NGN (NL) Going forward



- Our core mission continues:
 - To create a bridge between young professionals/students and the world of CIGRE!
- We continue to grow, both in terms of members and companies involved
 - Reach out if you are interested to join us! ([LinkedIn](#), [website](#))
- The industry focus of CIGRE continues to expand
 - H₂, datacenters, transportation, heating/cooling... everything comes together in electric power systems
- CIGRE NGN IEC is to become much more integrated within CIGRE
 - NGN SCs formed to support national SCs, Electra magazine, NGN participation in WGs...
- Stay tuned for our upcoming CIGRE and CIGRE NGN events and see you at CIGRE Paris 2026!
 - NGN Showcase 2026 preparations will start mid-2025
 - In the meantime,...CIGRE Trondheim and CIGRE Montreal Symposiums in 2025

Thank

you

