

CIGRE NL

Next Generation Network Netherlands (Young CIGRE)



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For power system expertise

Quick Intro(s)



Parya Pourebrahim (31)

- Graduated from HAN University of Applied Science
- Over 4 years of experience in certification and Inspection
- Currently working at DNV as a Digital Grid Engineer focusing on communication protocols specifically routable GOOSE
- Member of CIGRE since 2022, Board member since 2023



Aleksandar Boricic (30)

- PhD graduate from TU Delft on the topic of power system stability
- Few years of industry experience
- Since 2023 at TenneT TSO as a Dynamics and Stability Expert in System Operations
- Active within CIGRE > 6 years, in CIGRE NL NGN board since 2019
- Contributed to two CIGRE WGs and published a few CIGRE papers



Lakshna Kalpoe (29)

- Graduated at University of Twente in 2020, MSc. Electrical Engineering, Communication networks.
- Started working in at TenneT in 2020, currently asset specialist communication networks.
- Board member of CIGRE since 2021.

What is CIGRE?



What is CIGRE?



Knowledge sharing among professionals globally



Various domains of work and working groups



Technical publication

What is CIGRE? (Study Committees)

- ❖ **Group A: Equipment**
A3: Transmission and distribution equipment

- ❖ **Group B: Technologies**
B1: Insulated cables

- ❖ **Group C: Systems**
C2: Power System operation and control

- ❖ **Group D: New Materials and IT**
D2: Information Systems and Telecommunication

NGN scope and objectives



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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/Webinars
- To organize appropriate CIGRE NGN networking events → Matchmaking
- To improve communication between CIGRE and NGN members → NGN IEC + DB meeting



Objectives

- Create a bridge between young professionals/students and the world of CIGRE, with the focus on the Netherlands
- Organize technical and networking events, engage collaboration within CIGRE NL and internationally
- Supports career development of young professionals in the energy sector



Advantages



Learn from real world experiences, lessons and successes

As a collaborative, global community, technical expertise and solutions are being discussed openly and members share the real-world experiences, lessons and successes.

Source information

Access to e-CIGRE with all the papers and publications.

Grow your skills

Grow your individual and organizational skills through CIGRE's unique peer to peer environment and broad training and educational opportunities.

Networking

Grow your individual and organizational network, profile and influence by participating at CIGRE events, on Working Groups and by writing and revising of reports and brochures.

Be prepared for the future

CIGRE's unique structure plugs members in to a future focused industry perspective simply not accessible from within a single organization.

NGN NL board structure



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NGN Netherlands Board



Next Generation
Network

Chair



Sanjay Ganeshan



Secretary



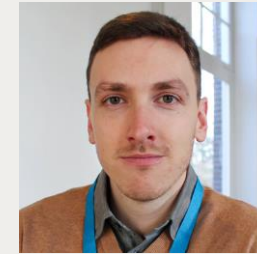
Lakshna Kalpoe



Board members



Parya Pourebrahim



Aleksandar Boričić



Ioan Juravle





NGN Netherlands



Membership

Students: 44

Young Professionals: 78



Founded in 2014

→ Today there are 5 companies/schools represented on the executive committee

GOAL

→ To support early career professionals and students by introducing them to the world of CIGRE.

Chair:
Sanjay Ganeshan
Deme-group



2023-24 HIGHLIGHTS

Matchmaking event

A detailed introduction about CIGRE. Young colleagues share their experience.



Joint Webinars

NL+UK: Data Interoperability and Common Information Model

NL+BE: Operation of power systems with high penetration of power electronics converters – A TSO perspective

The image shows two promotional cards for CIGRE Next Generation Network (NGN) webinars. The left card is for the webinar 'Operation of power systems with high penetration of power electronics converters - A TSO perspective' held on July 6, 2023. It features a list of speakers including Armin Christen, PhD, and Arjan Christen. The right card is for the webinar 'Data Interoperability and Common Information Model' held on November 3, 2023. It features a list of speakers including Jonathan Barcroft and Håkan Wikström. Both cards include abstracts and details about the webinar format.

Team day

Great opportunity to network with the members and the speakers + Tour at TU Delft Lab

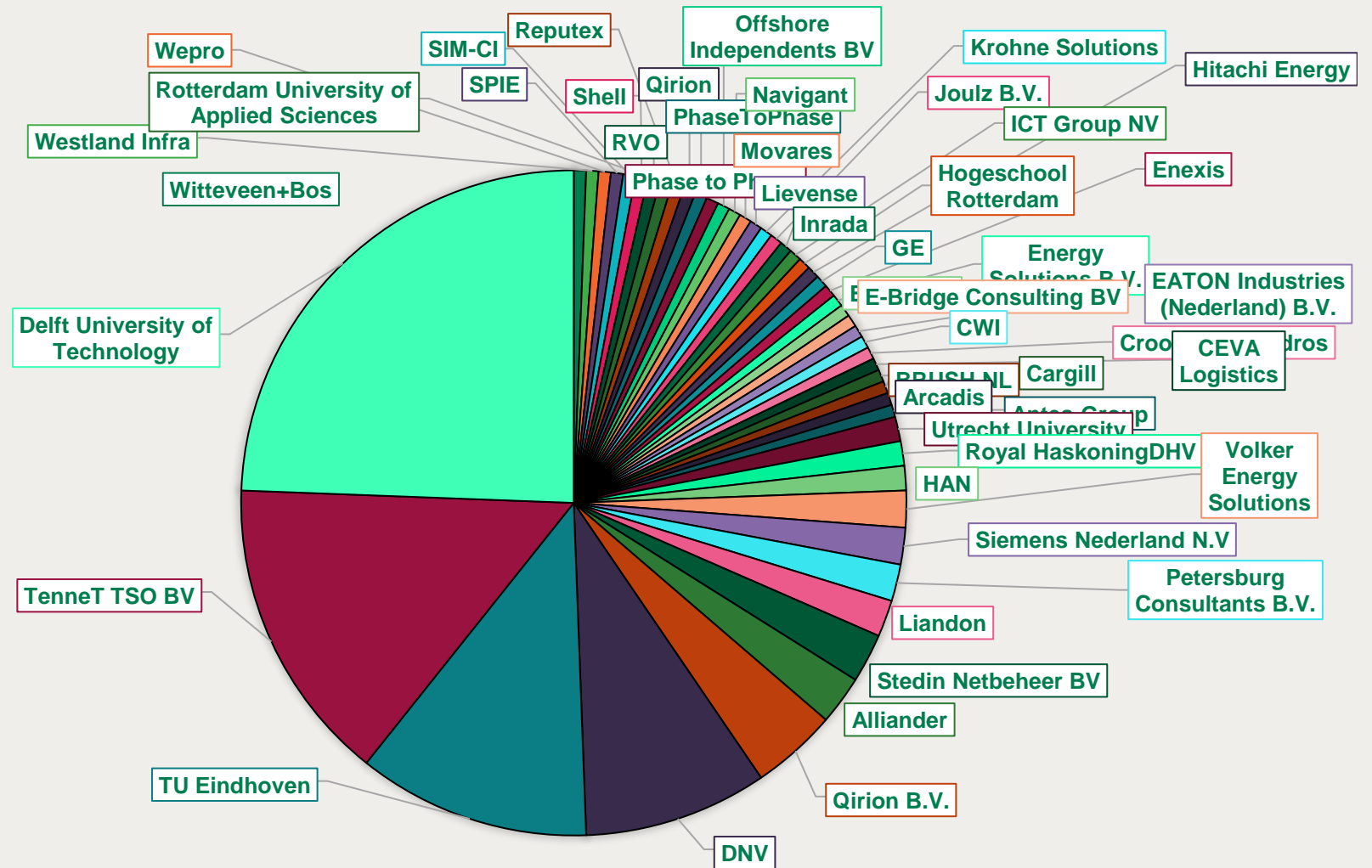


NGN NL members



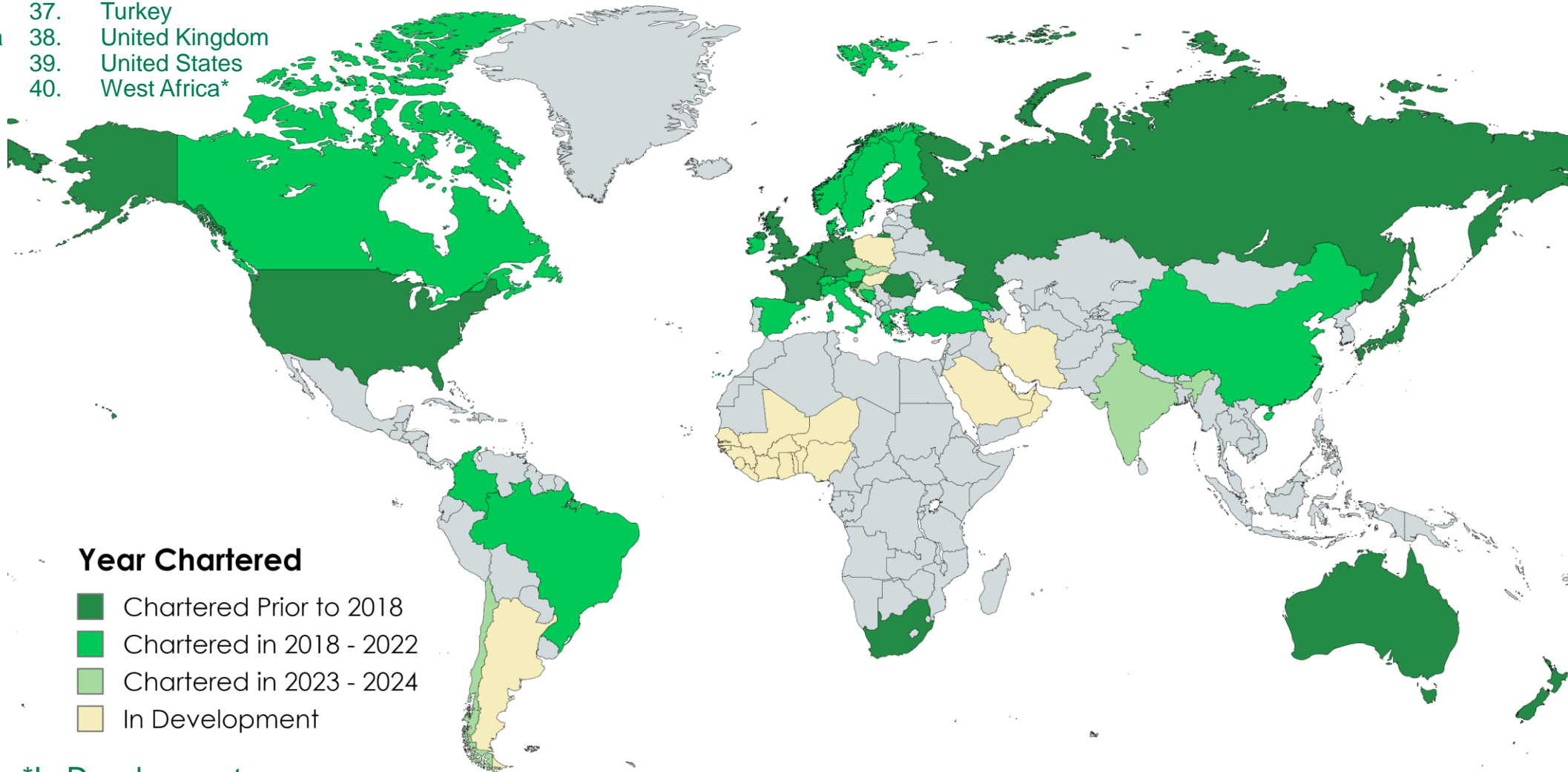
168 NGN subscribers
(95 Individual members)

49 companies NL



Current NGN Groups Worldwide:

- | | |
|-------------------------------------|--------------------|
| 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 | |



NGN NL highlights & goals 2024



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Some of the 2023-2024 events



Overall goal:

- Continue with connecting young professionals and CIGRE
- Increase energy industry participation in CIGRE activities



Some recent events

- Team day and Lab tour @TU Delft
- Joint webinars with NGN BE and NGN UK
- Matchmaking event
- CIGRE Paris session (incl. Showcase event)



Next Generation Network (NGN) Webinars

Data Interoperability and Common Information Model

Abstract
As we move towards the energy transition the data ecosystem, data landscape is changing rapidly. There is more rapid need for data orchestration, exchange and collaboration between different actors of the energy ecosystem to be ahead of the curve and accelerate the energy transition.

The Webinar will focus on aspects such as:

- The Shared Energy System
- Digital and AI in the Energy Sector
- Data Governance and Interoperability
- Role of conformance and interoperability testing
- Conformance testing activities

Speakers

Jonathan Barcroft
Power System Engineer,
National Grid ESO,
United Kingdom

Harish Krishnaswami
Senior Consultant,
ENVI Energy Systems
The Netherlands

Information:
November 3, 2023
13:00 CET | 11:00 UTC

CIGRE IN NON AND **CIGRE IN NGN**

International NGN Activities

- Support CIGRE NGN & Women in Energy (WiE) developments
- Active participation in NGN International Executive Committee (IEC) activities



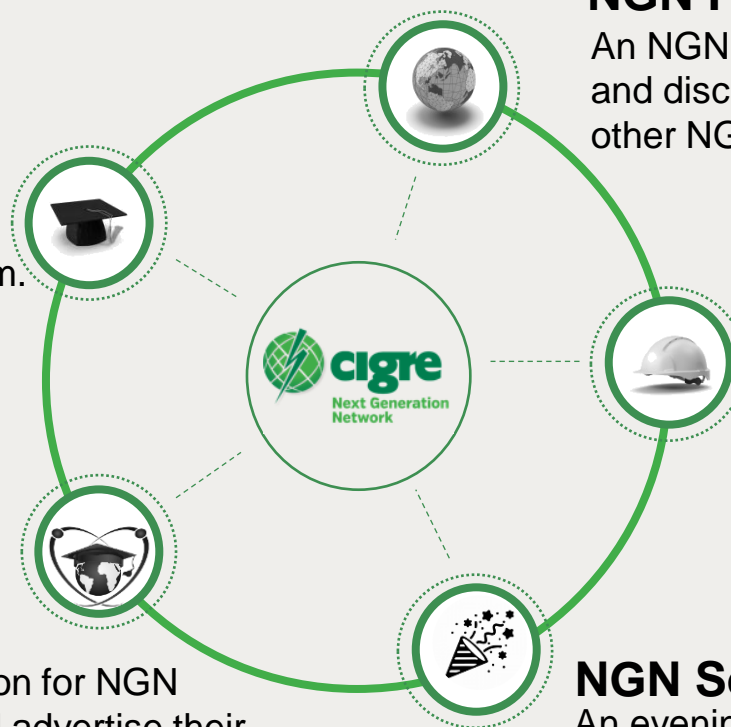
CIGRE Paris 2024 Session: NGN Activities

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 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 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 Social Event

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

NGN Showcase participation



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2024 NGN Showcase

Background:

- Initially proposed by UK NGN with support from a number of other NGN groups in 2015
- Approved by CIGRE Central Office with the first showcase successfully held during the 2016 Paris Session

Motivation:

- Platform for young professionals to showcase their work to an international CIGRE audience
- Publish & present your work to a very broad audience
- Networking opportunities for international NGN members
- Enhancing collaboration among international NGN groups

6th Global Next Generation Network Showcase at CIGRE Paris Session 2024



Candidate Eligibility:

- The candidate must be under age 35, as per CIGRE's definition of an NGN member
- The candidate's work must not be based on a paper already submitted/accepted as a regular Session Paper.
- The candidate's work must align with a Paris 2024 Preferential Subject (<https://www.cigre.org/userfiles/files/Events/2023/CALL%20FOR%20PAPERS%20CIGRE%202024v2.pdf>)
- The candidate must be a ***member of CIGRE***

Submission Process:

- Nomination Materials:
 - A draft of the candidate's presentation slides
 - A full paper prepared by the candidate (maximum of 10 pages)
 - A completed one-page supporting information form

Stay tuned for the next session!
Paris, August 2026

Selected Candidates Receive:

- *10-minute presentation slot* at discussion session in Paris, for the respective Study Committee
- *Space at poster session* in Paris, for the respective Study Committee
- Invitation to participate in the *2024 NGN Presentation Competition* during the Paris Session
- *Paper included* in the 2024 Paris Session Proceedings
- *Free 2024 Paris Session Registration*

NGN showcase winners – NL (2022)

1. Study Committee C2-PS2 :

Black-Start Network Restoration using Offshore Wind Power with AC cables

Leonel NORIS MARTÍNEZ

2. Study Committee D1-PS2 :

A test setup to find the relation between interfacial pressure and tangential breakdown voltage of epoxy/silicone rubber interface

Sanjay GANESHAN

3. Next Generation Network Significant Contribution Award

This award is intended to recognize outstanding contributions of NGN members to CIGRE activities.

Kostas Velitsikakis



Becoming a NGN member



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Free membership for students!

- Information about activities and news in CIGRE to your mailbox
- Access to e-cigre, opportunity for discount on conferences
- Support with introduction to Study Committees
- Access to NGN showcase participation in Paris
(including possibilities of winning the free registration to the Paris session)

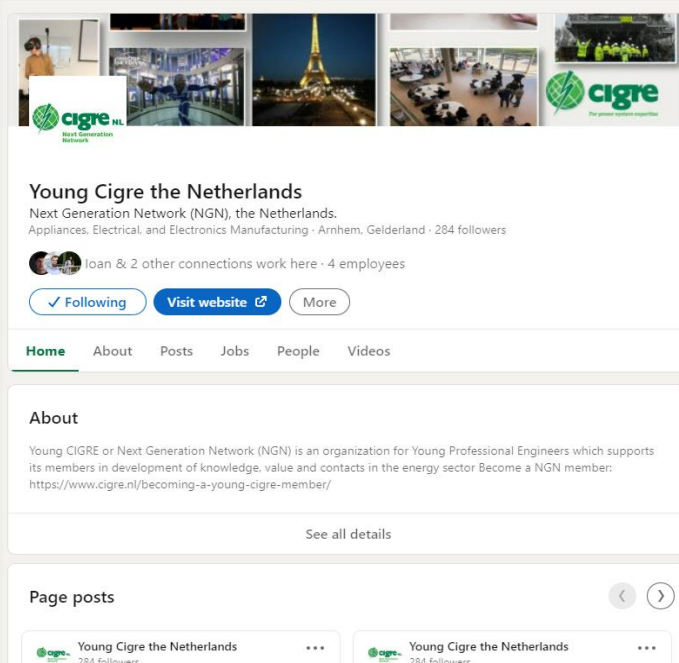


Register at:

<https://www.cigre.nl/becoming-a-young-cigre-member/>

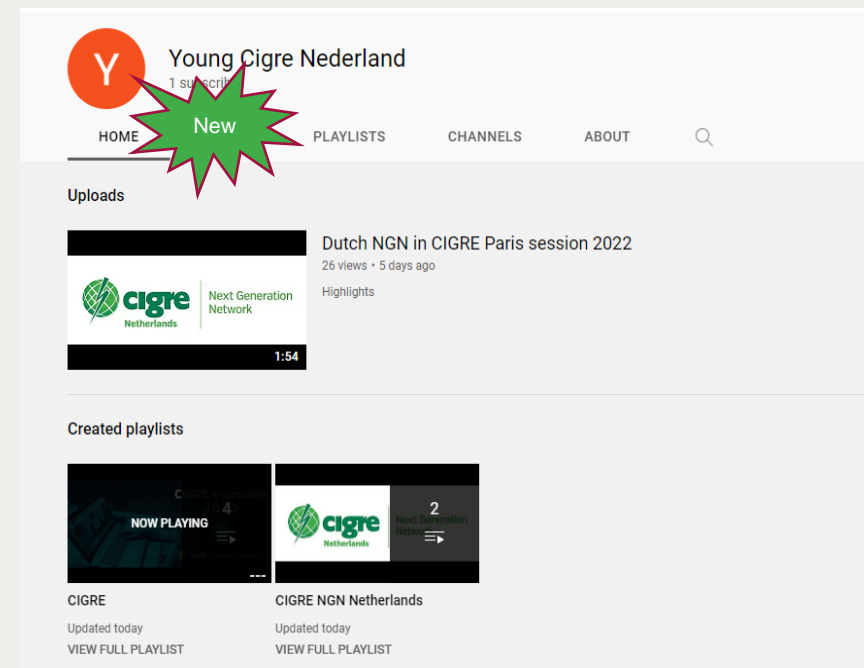


Stay updated....



<https://www.linkedin.com/company/young-cigrethenetherlands/>

...Connect with us on LinkedIn too!



[Young Cigre Nederland – YouTube](#)

Thank you for your attention!
Questions?



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