

# Global Profile



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# Welcome to the world of CIGRE

## Standing for power system expertise since 1921

Established in 1921 in Paris, France, CIGRE is a global community committed to the collaborative development and sharing of end to end power system expertise.

The community features thousands of professionals from over 90 countries and 1250 member organisations, including some of the world's leading experts. At its heart are CIGRE's 61 in country National Committees offering diverse technical perspectives and expertise from every corner of the globe.

CIGRE operates the world's foremost knowledge programme, spanning 16 domains of work encompassing all the core areas of the power system. Across these domains 250+ Working Groups draw and build on practical expertise to solve existing and future challenges facing the power system.

CIGRE's knowledge programme includes an extensive range of local and international events, culminating every two years at the Paris Session in France – a unique thought leadership congress and the number one global power system event.

Over the last 100 years the work of CIGRE has contributed to many of the key technical cornerstones of the modern power system. CIGRE's renowned publications, developed through the collaborative sharing of 'real world experiences', are in many cases the authoritative source of reference information.

All this means that when electricity industry professionals look for the unbiased, fact-based answers they need, they turn to CIGRE, the world's preeminent source for power system expertise.

## Purpose

To foster engagement and knowledge sharing among power system professionals globally to enable the sustainable provision of electricity for all.

## Mission

To contribute to the betterment of the power system by enhancing the expertise of the people within it.

## Vision

To be universally recognised as the leading global community for expertise in all aspects of electric power systems.

“Collaborative development of power system expertise”



For more about the world of CIGRE watch the short video



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## A collaborative global community sharing knowledge and expertise

CIGRE's engine room is its global community. Across the world thousands of power system professionals are taking time out from their jobs in the industry and volunteering their time to collaboratively share their knowledge and experiences for the greater good of the industry.

This unique community is underpinned by a global network of 61 CIGRE organisations referred to as the National Committees, or NCs. These on the ground organisations have an in-depth understanding of the local conditions in over 90 countries. NCs also nominate their best local talent for the 250+ Working Groups participating in CIGRE's global knowledge programme.

This wide geographic spread, combined with a variety of established experts, experienced practitioners and

young professionals, enables CIGRE to offer the most diverse range of power system perspectives and experiences available from any organisation.

CIGRE's community of professionals give their time and energy with an authentic desire to draw upon, share and build technical expertise, ensuring that the knowledge needed to meet the challenges of the power system is accessible to everyone.

### An open, diverse culture

CIGRE's open, diverse culture offers a unique parallel career path towards excellence in a chosen power system field. CIGRE's community attracts the very best and CIGRE's prestigious Technical Council features some of the world's leading power system experts.

From problem solving to personal development, CIGRE members draw on this world class expertise at a fraction of its commercial cost.

### At a glance

- **61** National Committees, spanning 90+ countries
- **15000+** members and growing
- **1250** member organisations



*“Open, non-profit, fact-based culture”*



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# The world's foremost power system knowledge development programme

CIGRE operates the world's foremost power system knowledge development programme of work. At its foundation is CIGRE's unique structure and the end to end spectrum of domains covered.

## A strategic response to challenges

The CIGRE knowledge programme is driven by key strategic themes defined by the experts of the CIGRE leadership, with the input of the community. These are based around the key drivers affecting the industry and are updated as strategic changes occur.

## 16 Domains of work

Strategic themes are fed into 16 consistent domains of work, each led by a dedicated Study Committee. The domains are broadly grouped by four key global power system areas – equipment, technologies, systems, new materials and IT.

## Working Groups and outcomes

At the heart of CIGRE's programme is its community and 61 National Committees (NCs). These organisations nominate local professionals to participate across the knowledge programme,

## At a glance

- Strategic themes set by key industry trends
- **16** Consistent domains
- **250+** Working Groups and growing

including in the 250+ Working Groups that collaborate and study specific areas within the 16 domains of work. Around 40 new Working Groups are formed every year to look at emerging challenges of the power system. All Working Groups ultimately produce a comprehensive technical publication, referred to as a 'Technical Brochure', accessible to everyone.

## A unique approach

CIGRE's uniquely dispersed but centrally coordinated way of working offers an integrated knowledge programme that accounts for the global drivers changing the power system, while ensuring that these are connected with the NCs real world, local situations.

This unique global-local configuration means the outcomes of CIGRE work are both globally relevant at the same time as being highly beneficial at the local level.

For more on CIGRE's unique structure and 16 domains watch the short video or download the info leaflet



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## Worldwide programme of face to face and online events

CIGRE's unique knowledge programme comes to life through its worldwide array of face to face and online events. International human interaction, facilitates free exchange of knowledge within the CIGRE community.

### Symposia

Held twice in odd numbered years, Symposia are large, wide ranging and stimulating gatherings. Each Symposium features up to six of the 16 Study Committees, attracting a wide range of senior CIGRE experts and community members. Papers are peer reviewed prior and CIGRE's hallmark interactivity is a key feature.

### Colloquia

These one-day conferences are run by one of the 16 Study Committees in collaboration with a host NC. Colloquia cover specific topic areas reflecting the often hot topics of a particular domain of work.

### Macro-regionally and locally focused conferences and panels

In addition to the events outlined above, every year up to 40 power system events are run around the world by CIGRE NCs and regional groups.



*“The Paris Session is unlike any other conference. It offers an in-depth interactive congress”*

## The Paris Session – the world's leading global event for sharing power system expertise

Every two years, the world's number one global power system event is run by CIGRE in Paris, France. Known as the Paris Session, this event attracts members from across the whole CIGRE community and is the culmination of the previous two years of the CIGRE knowledge programme. The Paris Session is unlike any other conference. It offers an in-depth interactive congress, following a rigorous process where, rather than being presented, hundreds of papers are collaboratively debated. Follow the links below for an explanation of this unique and highly stimulating thought leadership event.

### At a glance

- 3500+ delegates
- 5000 industry participants
- 90+ countries
- Massive trade exhibit
- 160+ working meetings
- 30+ Study Committee sessions



For more on CIGRE's collaborative programme and Paris Session watch the short video, or download the info leaflet



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# The authoritative source of power system technical reference information

CIGRE is the foremost source of technical reference information on the power system and home to the worlds' most comprehensive collection of technical publications and reference information.

Thousands of CIGRE publications have contributed to the development of solutions and best practices in use around the globe today. CIGRE reference resources stand alone for their unbiased, rigorous, real world technical orientation and excellence.

## Primary CIGRE technical publications include:

**Technical Brochures:** An output of CIGRE's 16 Study Committees and their 250+ Working Groups, Technical Brochures are globally diverse, comprehensive publications. Over 850+ have been published to date, with around 40 new ones added each year. Technical Brochures cover the full spectrum of the power system and are factually robust, with each undergoing a rigorous peer review process.

**Green Books:** Green Books are CIGRE's flagship reference publications. These publications bring together multiple Technical Brochures into one definitive publication.

Download our publications at [e-cigre.org](http://e-cigre.org)

**Event proceedings and papers:** A range of highly valuable materials are created each year by the events of CIGRE's global knowledge programme including:

- Paris Session papers and proceedings
- Papers produced by CIGRE Technical Working Groups
- Symposia papers and proceedings
- Colloquia papers

**Reference Papers:** Lay speak orientated Reference Papers provide important, unbiased technical information to help inform debate on hot topics being dealt with inside and outside the industry.

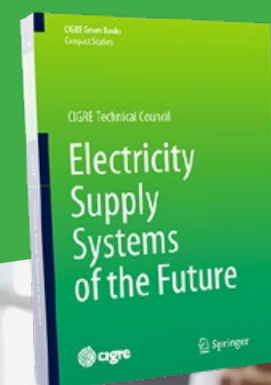
**Digital Magazines:** CIGRE also offers two regular frequency digital publications.

**ELECTRA**, published bi-monthly and bringing you the latest news, expertise and work from the world of CIGRE and **CIGRE Science & Engineering (CSE)**. A SCOPUS registered technical journal published three times per year.

*“CIGRE publications are based on practical experience and analysed data”*

## At a glance

- 14000 technical reference documents and publications
- 1000's of downloads each month
- 100's of technical publications added every year



For more on CIGRE publications watch a short video or download the info leaflet



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# Connecting power system people with the knowledge and solutions they need

Across the world the power system is changing rapidly, with new technologies proliferating and challenging the way we work. This is happening while all the traditional demands of design, system selection, operations and maintenance still exist.

In this environment, keeping up with the changes, learning from other people's experiences and having a forum to debate the options is fundamental to success.

CIGRE's diverse perspectives, comprehensive publications and extensive peer to peer interactions will connect you with the world leaders who, collaboratively, are shaping the power system solutions you need to get your job done.

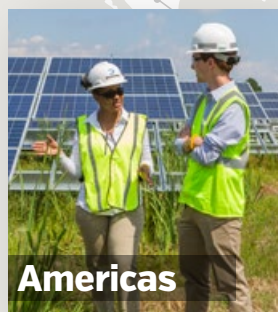
You will grow and share your skills in a multicultural environment where your perspectives are valued. You

will also enjoy the camaraderie and stimulation of a community of like-minded peers, including some of the world's leading experts.

## At a glance

- Keep up with key trends and solve challenges
- Expose your career to the knowledge contacts and expertise it needs to thrive
- Be part of the foremost global community for power system expertise

*“If you have a challenge someone in the community has probably worked on it already”*



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# Creating benefits in local communities and organisations the world over

Around the world CIGRE's unique global presence is creating many local benefits for power system organisations and the communities they serve.

From being prepared for the future and the breadth of changes occurring in the power system to learning from the diverse international experience of the community. CIGRE will help inform your decision making with real world, practical knowledge and access to authoritative, fact-based reference information.

CIGRE member organisations benefit from learnings, solutions and successes from every corner of the globe, all accessed in a context of a peer to

peer community that can grow the skills of your organisation and connect you with the industry in a technical fact-based setting.

A CIGRE membership has the value to help you operate in an optimal way today and plan for the network of the future tomorrow.

For more on the value and authentic substance of a CIGRE membership watch a short video or download the 'Nine ways a CIGRE Membership delivers value' info leaflet.

*“Learnings, solutions and successes from every corner of the globe”*



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# Open up a world of leading power system professionals and knowledge

## How to join

CIGRE membership is handled by our global network of National Committees (NCs).

There is a range of membership packages for students, younger members, individuals, and larger organisations.

**JOIN NOW**

## Costs

Membership costs vary by location. They start from around €100 for individuals under 35, through to Collective membership rates of €1000-3000 a year, depending on level of participation.

**Membership** means access to the world of CIGRE and its many resources and benefits, including:

- 800+ Technical Brochures
- Unlimited downloads of 14000+ technical publications
- 6 Editions of ELECTRA per year

- After two years membership save on the Paris Session!
- 60+ In country and regional CIGRE organisations
- Collaborate with experts
- Access perspectives and peers from across the globe

A CIGRE membership also offers extensive participation, problem solving and skill growth opportunities. These opportunities often involve formal positions within the global knowledge programme and include access to a range of collaborative online tools used by the community.

## Enquire

CIGRE is a global network of 61 organisations known as National Committees (NCs). Your first point of contact is your local NC. Follow this link for a detailed online directory.

**For all other enquiries please contact:**

### CIGRE

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Publications: [e-cigre.org](http://e-cigre.org)  
Magazine : [electra.cigre.org](http://electra.cigre.org)



## The 61 CIGRE National Committees



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