

Global Know-how

from our worldwide pool of experts

With its global footprint across in excess of 90 countries, CIGRE offers unique international perspectives and unfettered access to a worldwide pool of experts and peers.

This global know-how has been built on a reputation for technical excellence through CIGRE's uniquely apolitical forum where unconstrained ideas are freely exchanged.

This forum enables professionals to stay at the forefront of their industry. CIGRE members can Investigate and understand the latest technical trends as well as take advantage of proven solutions – solutions that might normally represent considerable risk if developed in isolation.

This means innovation can be pursued and selected to ensure the risks associated with bleeding edge are mitigated and leading edge is capitalised on.



Network of the future

CIGRE's global know-how places members in a position to identify the future technical challenges to our business leaders and to develop best practice for the network of the future.

This includes tapping into CIGRE's thought leadership around such complex issues as changing patterns of generation and demand, the integration of renewables and the importance of stakeholder engagement.

The complex future challenges the industry faces calls for the global perspectives and know-how CIGRE offers. CIGRE Australia professionals are uniquely placed to select the 'right' innovations from this mix and bring them to the table for the Australian environment.



More about CIGRE

cigreaustralia.org.au offers you more about who CIGRE is, the work we do, our success stories and much more. The website includes the latest network news from across the CIGRE community and features profiles of our community of experts, their roles and their achievements.

There is also an outline of our technical panels, working groups, publications and events, as well as a profile of our broad industry membership. Leaders can also subscribe to our e-update 'In the loop' online.

Adding value

Most importantly our website includes a credentials section which outlines how CIGRE's know-how has helped local and international engineering practitioners add value in their organisations.

Included in this section are short project case studies and testimonials from some of our industry leaders.



“CIGRE creates good networks for experts to get together and enhance their understanding of technical issues on a global basis”

Steve Davy, CEO, HydroTasmania

“CIGRE has an extremely important role in Western Power, including dealing with technical issues, providing thought leadership and acting as a genuine international forum. A forum that deals with the macro policy issues and is not distracted by politics.”

Paul Italiano, CEO, Western Power

CIGRE Australia

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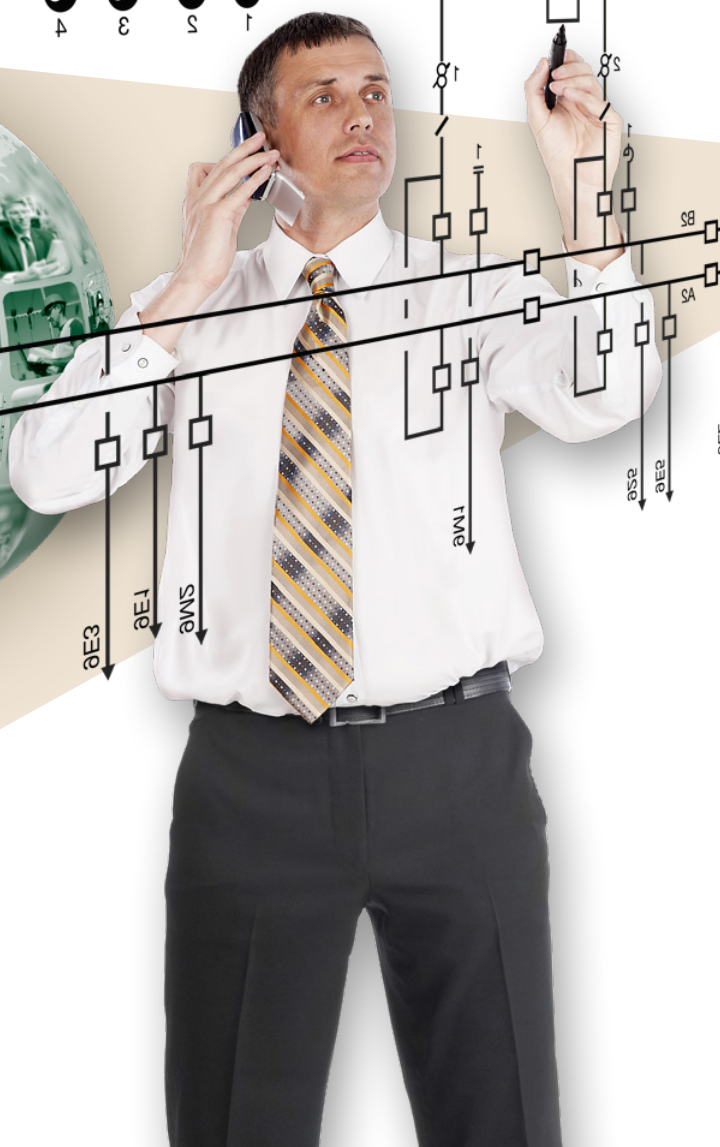
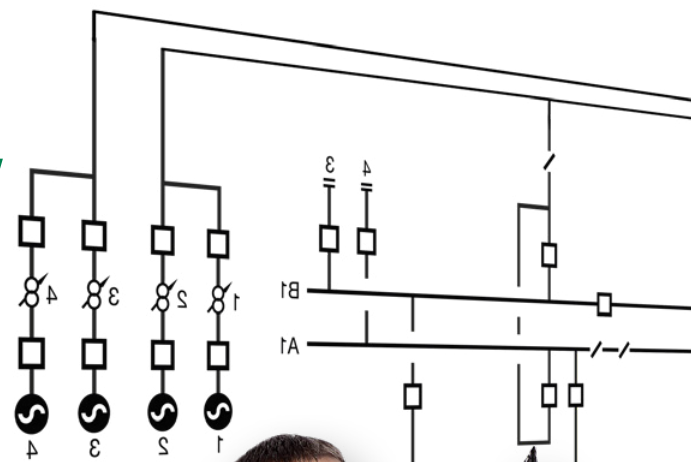
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CIGRE AUSTRALIA PROFILE



empowering
networking
global know-how



“Changing patterns of generation and demand”

BRUSSELS Zen Car Europe's first electric car to rent

EXPERTIS
COMPÉTENCE
PERÍCIA
SACHKENNTNIS
EXPERTISE

No matter what language you say it in, expertise is crucial.

The first port of call for power network know-how is CIGRE. The global technical forum for large electric systems, CIGRE counts more than 12000 equivalent members in over 90 countries. This membership is composed of researchers, academics, engineers, technicians, suppliers, and other decision makers, and is supported by 2500 experts actively collaborating in a structured work programme.

In Australia, CIGRE professionals are focused on sharing and developing the right skills for today but with an eye to the challenges of tomorrow.

This community of experts is building value by leveraging the CIGRE global network to empower their organisations with the know-how needed to meet Australia's challenging market and geographic environment.

Whether it's managing ageing assets, exploring ways to reduce network costs or planning for the network of the future, CIGRE is empowering

teams with the latest, most relevant know-how and innovations. CIGRE supports this know-how with access to a worldwide pool of experts and peers.

A CIGRE membership means access to the world-leading forum for large electric systems and the ability to tap into global know-how that empowers your team with the expertise they need.

After all, in today's connected world, global know-how is the language of excellence.

“CIGRE is present in over 90 countries and features over 2500 experts from across the globe actively collaborating”

Empowering
Australia's power industry professionals

Global know-how is a valuable asset for any organisation. However, knowledge for knowledge's sake is not a solution to the challenges Australia's power industry is facing today or in the future. As a result, CIGRE Australia's mission is to support our members in leveraging our global network with a local focus in mind.

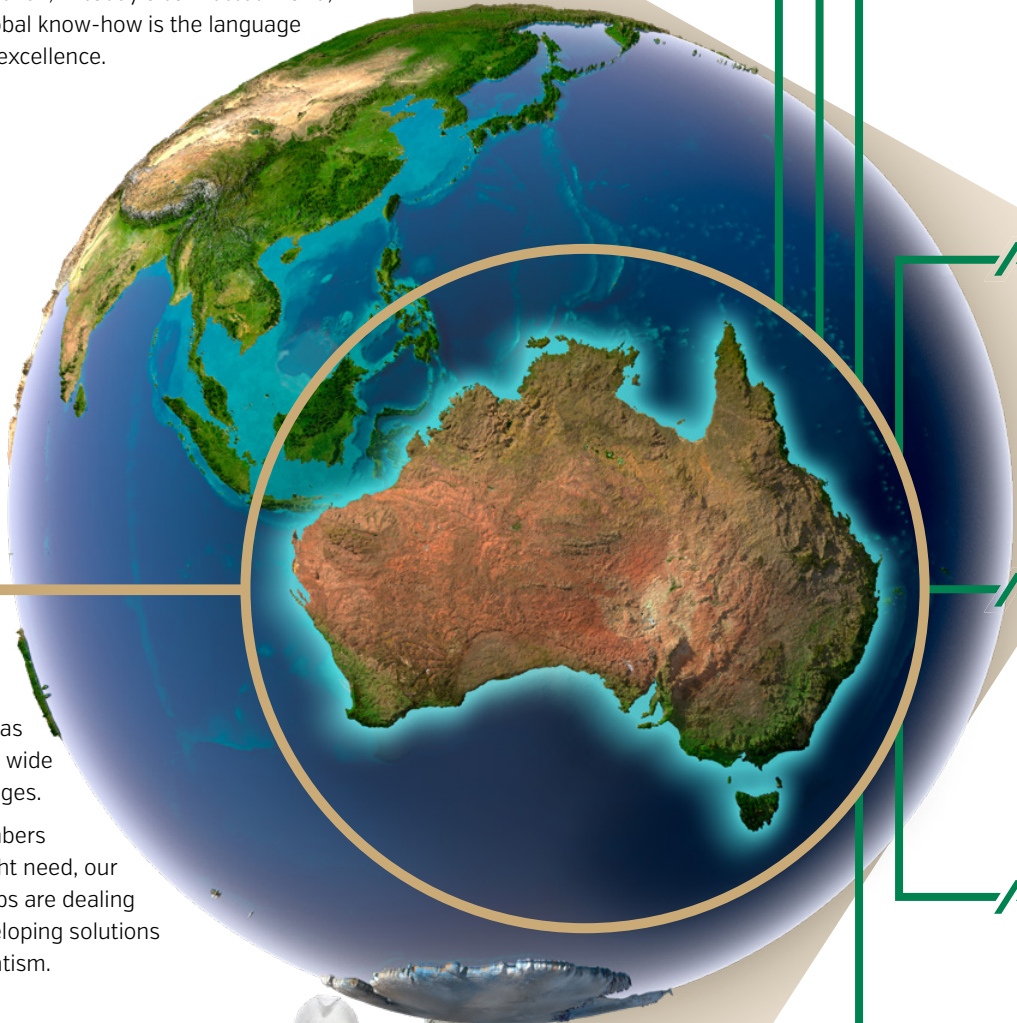
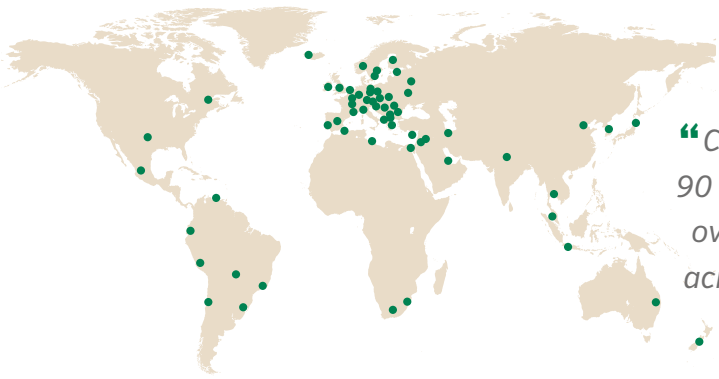
We are empowering Australia's power industry professionals with the know-how and skills they need to develop enhanced technical solutions for their organisations. These solutions select the best and most appropriate the world has to offer to meet the needs of the Australian market and wider community.

Grounded in pragmatism

CIGRE's network of professionals has real world practical experience in a wide range of environments and challenges.

So whilst CIGRE does provide members with the theoretical input they might need, our technical panels and working groups are dealing with real world situations and developing solutions that are firmly grounded in pragmatism.

“CIGRE Australia's mission is to support our members in leveraging our global network with a local focus in mind”



Global know-how applied to Australian challenges

We are helping our members acquire global perspectives and innovation, and selecting, then applying, the most relevant know-how to Australian challenges.



Enhanced solutions for Australian organisations

Whether it's managing ageing assets, leveraging existing networks for efficiency or planning for the network of the future, CIGRE Australia is helping industry professionals deliver enhanced solutions for Australian power industry organisations.



Helping mitigate risk and uncertainty

CIGRE is helping mitigate risk and uncertainty through better informed decision making. This is achieved by both applying proven solutions from around the globe as well as facilitating innovative solutions to both the traditional and new challenges facing the industry.



Professional development

CIGRE is a natural vehicle for the professional development of your engineering team. We foster a safe, responsive, enterprising and innovative workplace. CIGRE's mentoring programme is also bringing forward the best and brightest via the CIGRE NGN or 'Next Generation Network'.



Empowering leadership

CIGRE is empowering industry leaders with the latest know-how. We are achieving this by gathering our technical know-how into resources for industry leaders. Our quarterly email update 'In the loop' aims to keep leaders informed on the burning issues and the range of possible solutions.



Prepared for the future

With major changes driven by changing patterns of generation and demand as well as the network of the future Australian power industry, professionals need to be prepared. CIGRE is helping professionals prepare for the future by ensuring our community of engineers stay at the forefront of the latest technical trends, issues and innovative solutions from across the globe.



Authoritative resources and support

CIGRE offers an authoritative online resource of technical publications assembled from across the global network. These are supported by a network of highly experienced professionals and peers.

Networking

builds your collective intelligence

The engine room of the CIGRE model is its approach to networking and sharing know-how.

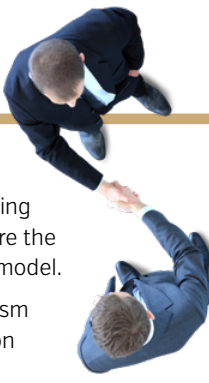
CIGRE genuinely believes that the 'whole is greater than the sum of its parts' and it is this philosophy that builds the collective intelligence of our network and industry.

Our membership comes from across the industry including large electricity organisations, regulators, market operators, academia, manufacturers, and consulting firms. We also have members from New Zealand who bring valuable experience from their own unique environment to bear.

Overall this offers members a true diversity of perspectives and the ability to seek out the best solutions for their own organisation's requirements whilst helping others do the same.

To help facilitate this, CIGRE runs a series of events in Australia and around the world. At these events, CIGRE's established reputation for attracting the best minds ensures industry professionals have the opportunity to learn from the industry's leading thinkers.

“Access to global engineering expertise improves outcomes”



The various CIGRE study committees and working groups focus on crucial issues facing the power industry across the world and are the hallmark of CIGRE's extremely successful model.

These unique forums provide the mechanism for debate, formal papers and the collection of know-how, know-how that our event programme shares with the wider membership.

These groups also ensure members across the world can contact a powerful network of experts at any time to get the support they need on the subject area that is crucial to them in their day-to-day roles.

CIGRE Australia is committed to building the collective intelligence of the power engineering professionals serving our sector. As a result, we actively participate in many of CIGRE's global forums as well as having some of the world's leading thinkers on our panels and working groups.

Our Work

CIGRE Australia's fields of work

CIGRE internationally operates 16 core study committees that work across a broad spectrum of technical domains affecting power systems across the world. These are summarised in the table below.

CIGRE Australia follows the global convention and mirrors these study committees in its own 16 working panels. These panels perform technical studies in their specific field of activity and link the

Australian and international activities to promote the free exchange of know-how.

CIGRE Australia is also one of the few national committees to have representation on each of the global study committees. This deepens our connections and ensures relevance.

CIGRE's 16 technical domains		
SC A1	Rotating Electrical Machines	SC C1 System Development and Economics
SC A2	Transformers	SC C2 System Operation and Control
SC A3	High Voltage Equipment	SC C3 System Environmental Performance
SC B1	Insulated Cables	SC C4 System Technical Performance
SC B2	Overhead Lines	SC C5 Electricity Markets and Regulation
SC B3	Substations	SC C6 Distribution Systems and Dispersed Generation
SC B4	HVDC and Power Electronics	SC D1 Materials and Emerging Test Techniques
SC B5	Protection and Automation	SC D2 Information Systems and Telecommunication

