



ph: 02 4998 8144 | fx: 02 4998 8247
ph: Int. +61 2 4998 8144 | fx: Int. +61 2 4998 8247
5385 George Downes Drv, Bucketty NSW 2250, Australia
Smart Grid Australia Incorporated
ABN: 98 012 543 287

Smart Grid Australia Association Join industry leaders in shaping the Power Grid of the Future

Countries around the world are now recognising the urgent need to address issues such as global warming, CO2 emissions and the need for energy savings. Simultaneously the power industry globally is recognising the importance of Information and Communications Technology (ICT) and together with governments, understand that a much broader approach is needed to address the significant environmental problems that we are facing.

In Australia, State Governments and utilities have invested billions of dollars in electricity infrastructure. Estimates indicate that the adoption of smart grid technologies could save the nation \$5-8 billion over the next 20 years. Yet far too many of those technologies remain on the shelf. Some of the barriers are technical, such as the need for testing and standards. Some of them are regulatory, such as the need for policies that no longer penalise utilities for trying new technologies.

A whole-of-government as well as a whole-of industry approach is required to address the issues.

Smart Grid Australia Vision Statement

- The coming decade will be defined by a rampant growth in new **Intelligent Energy** technologies, just as computers and communications devices have defined the recent past. Making our energy systems “smart” holds the key to protecting our planet and to fueling our global economy.
- Innovative approaches to deliver energy-efficient and environmentally-friendly processes and products will be enabled by the application of information systems to production, logistics, product design, transport, consumption and many other aspects of our day-to-day activities.
- Empower the user to actively participate in this process, through a range of interactive intelligent home appliances, allowing them to save energy and assisting them in addressing the inevitable price increases for electricity.

What is Smart Grid Australia?

- **A vision** for the electric system of the future – based on sound technical, operational and environmental principles.
- **A national initiative** to help address the environmental issues in relation to the power industry and make that vision a reality by transforming the infrastructure, technologies and the market.
- **An alliance** to move that initiative forward, to join voices in favour of a fully modern intelligent electric system.
- **An opportunity** to participate in an important new market that will revolutionise how electricity is produced, delivered, and used.

Industry Alliance

Smart Grid Australia Inc., is a non-profit, non-partisan industry association dedicated to an enhanced, modernised electric system. This alliance holds meetings, organises committees, assists with government initiatives, and issues communications to accelerate progress. It can be an important source of ideas, inspiration, and influence for any organisation interested in this burgeoning sector.

Smart Grid Australia is a breakthrough strategy for transforming the nation's electric power grid with advanced communications, automated controls, and other forms of information technology. This new grid will incorporate such things as:

- Intelligent communications networks
- Digital sensors and controls for remote monitoring and operation
- Tools for grid planning, design and operation to simulate, plan and automate complex transmission and distribution operations
- Better ways to connect next-generation equipment such as advanced storage, improved transformers, and superconducting wires
- Advanced meters to collect usage data electronically and automatically
- Load management/demand response technologies that help reduce peaks in electric demand and thereby reduce the need for standby power plants
- Smart devices ranging from motors to HVAC systems (heating, ventilating, and air conditioning) to home appliances with embedded intelligence which will empower **end-users** to actively participate in this process.

Smart Grid Australia – Members

Smart Grid Australia is a meeting ground for different constituencies, and, therefore, a forum for important and necessary dialogs that might otherwise not occur. The stake-holder groups include:

- Electric utilities committed to higher reliability and lower costs
- Telcos building intelligent communications networks
- Vendors selling the equipment, software, and services that support the electric power system
- Energy investors seeking to understand where the market is headed and where the opportunities lie
- Federal, state, and municipal agencies who oversee the electric power system
- Research organisations building the technologies of tomorrow
- Non-profit organisations committed to a cleaner, safer, more efficient energy future.

Within the Association there are workgroups involved in various activities. These operate on a 'needs' basis and can include both full members and associate members.

Smart Grid Australia – Activities

Key issues that are addressed in these groups include:

- Meetings with key legislators and regulators – lobbying and educating politicians, bureaucrats and their advisors on smart grids (ICT solutions)
- Business opportunities (commercialisation of new products and services through products and services models) – including corporate customers, wholesalers, etc)
- Exploring and negotiating government subsidies (for example, for regional roll-outs)
- Regulatory issues (a key issue as seen by the utilities)
- Spotlighting, exploring and investigating new grid technologies for dissemination throughout the group
- Member planning and networking meetings
- Working committees on policies, standards, and architectures
- Information streams on the latest technical, regulatory, and member happenings

New Opportunities

Smart Grid Australia is about climate change, the environment, energy saving, safety, security, reliability, and efficiency. It is also about getting in on the ground floor of an enormous new market. Working together, we can overcome the enormous challenges we face as a nation and the barriers that are standing in the way of some of the solutions and move quickly toward the adoption of an intelligent, digitally empowered electric system. Such a system will not only increase reliability and lower costs, but also create new products and new companies.

Smart Grid Australia Membership benefits

- **Help an important cause.** The Association is involved in nothing less than the transformation of the energy system.

- **Amplify your reach and influence.** By joining voices with other interested organisations, you increase your impact.
- **Grow the market.** The Alliance addresses regulatory and policy barriers that are holding back the market. It also works to establish standards, test beds, and demo opportunities for members and the market at large, and performs other activities that advance the interests of members.
- **Get early access to information and opportunities** through networking, email news, roundtables, and collaboration.
- **Demonstrate your leadership and raise your national visibility** through opportunities to serve on national committees, influence policy recommendations, and provide thought leadership.
- **International alliances** Smart Grid Australia has already established working relationships with GridWise in the USA and Smart Grid Europe.

Smart Grid Australia – Membership Options

Full Members

Becoming a full member of SGA entitles the individual or company to have full voting rights and thus influence the direction of the association.

Full members may cast two votes and may become executive members or chairpersons of workgroups. In these roles they will also be involved in SGA events and high level meetings and receive all meeting minutes and communications.

Discounts will be available for full members for national SGA events.

Full membership is set at \$7500 per annum (plus GST)*.

Associate Members

Becoming an associate member of SGA entitles the individual or company to be able to participate in all regular SGA meetings and receive all meeting minutes and communications. They are not eligible to become executive members or chairpersons of workgroups.

Associate members may cast one vote.

Associate membership is set at \$3500 per annum (plus GST)*.

* Members may join at any time during the year, with their membership commencing on the first day of the calendar month after joining.

Friends

'Friends' of Smart Grid Australia (free) will be updated through annual industry roundtables. Prices exclude GST.

A New Vision

Smart Grid Australia is a vision to bring the aging grid into the information age. The Alliance is your opportunity to learn about cutting edge technologies; to meet the organisations and experts who are charting the path; and to influence the future. It all starts with your membership in this important new organisation.

For more information please contact Paul Budde the initiator and facilitator of Smart Grid Australia on 02 4998 8144, paul@smartgridaustralia.com.au

Paul Budde
Executive Director

Smart Grid Australia Inc.

5385 George Downes Drive
Bucketty NSW 2250
Australia

www.smartgridaustralia.com.au

Tel. 02 49988144, Fax 02 49988247

Email: paul@smartgridaustralia.com.au

Smart Grid Australia Inc. Members

- Abigroup
- Alcatel-Lucent
- AREVA T&D
- Cisco Systems – ANZ
- CitiPower & Powercor
- Country Energy
- CQUniversity
- CSIRO
- Current Group
- Elster Integrated Solutions
- Ergon Energy
- eMeter Australia Pty
- ESRI Australia Pty Ltd
- ETSA Utilities
- Freestyle Energy
- GE Energy
- Horizon Power
- IBM
- Institute for Sustainable Futures – UTS
Sydney
- Integral Energy
- Itron Australasia
- Jemena Ltd
- John Holland Telecommunications
- Juniper Networks
- KLG Systel Asia Pacific
- KEMA Consulting
- KLG Systel
- Landis + Gyr
- Leighton Contractors
- Nilsen Networks Pty Ltd
- Service Stream
- Siemens
- SP AusNet
- United Energy Distribution
- Unwired Australia
- UtiliBill
- Utilisoft Pty Ltd

