

Annual Conference

AIRPORT ELECTRIFICATION AUSTRALIA

October 2, 2025 | Brisbane

30 % Discount ends on August 15
10 % Discount ends on September 12

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Hosted by:

Global **Transmission** Report

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Analysis and perspective for CXOs

BACKGROUND

Australia's transportation sector is entering a defining phase in its transition to a low-emissions future, and airports are well-positioned to play a pivotal role in driving this shift. While policy and industry efforts have largely centred on sustainable aviation fuel (SAF) and aircraft efficiency, an equally immediate and impactful opportunity lies in the electrification of airport infrastructure and operations. Electrifying ground support equipment (GSE), baggage handling, shuttle fleets, terminal energy systems and landside logistics will not only reduce emissions but also lower long-term energy costs, improve operational efficiency and enhance resilience. With the right planning and investment, electrification of these systems can transform airports into climate-neutral energy and transport hubs that align with Australia's broader net-zero ambitions.

Some airports have already begun leading the way. Brisbane, the host city for the 2032 Olympic and Paralympic Games, has transitioned to 100 per cent renewable energy, is actively shifting to electric-GSE and is investing in digital tools to optimise energy use. Sydney is integrating renewables into its power systems, scaling up EV charging and retrofitting terminals for greater energy efficiency. Gold Coast airport has also transitioned to complete green power. Similar efforts are underway at Melbourne. These initiatives are promising, but fragmented. Delivering electricity-ready airports across the country, complete with smart grid integration, scalable charging infrastructure and renewable energy systems, requires coordinated planning, targeted investment and strong partnerships.

To catalyse an insightful discussion on how to achieve this transition at the national level, **Global Transmission Report**, with support from **REGlobal** and **AUinfra**, is excited to host the inaugural **Airport Electrification Australia Conference on October 2, 2025, in Brisbane**. The conference will bring together senior leaders from federal and state governments, airport authorities and operators, airlines, energy providers, clean tech innovators, utilities, regulators and investors to explore strategies and solutions for scaling airport electrification across the country.

This launch conference builds on the strong foundation we have established through the Airport Electrification series in the US, which, over the past two years, successfully convened hundreds of stakeholders and decision-makers. These events offered deep insights into how the US airports are meeting rising energy demands, deploying zero-emission airside equipment and navigating rapidly evolving regulatory and funding landscapes. The learnings from this series provide a valuable reference point as Australia shapes its own path forward.

The Australian conference will showcase pioneering projects already underway at the country's key airports, address policy and technical barriers, spotlight emerging technologies and financing approaches, and facilitate new partnerships to scale electrification efforts nationally.

We invite you to be part of this insightful and engaging discussion.

Who should attend?

The conference is targeted at executives from:

- Gain insights into the electrification plans of leading airports
- Learn about the federal government's airport decarbonisation policies and initiatives
- Get familiar with the regulatory requirements and evolving standards
- Evaluate opportunities and identify challenges in the electrification of airports
- Follow the latest trends in airport electrification
- Explore relevant solutions for different areas of airport operations (ground support equipment, passenger terminals, airside and landside charging infrastructure, etc.)
- Understand how grid operators are performing with respect to meeting the demands of electrification at airports
- Explore how airport authorities and operators can work with utilities in meeting their electrification goals
- Hear the perspectives of leading airports and operators
- Identify opportunities for charging infrastructure providers
- Identify key considerations in electrifying ground support equipment and infrastructure
- Understand the cost-benefit analysis of integrating renewable energy at airports
- Hear from early adopters on their experience and perspectives on planning, procurement, costs, operations and maintenance
- Analyse best practices for carrying out airport electrification plans
- Engage in stimulating discussions and deepen your knowledge with targeted questions
- Benefit from in-person networking opportunities, interact with potential customers and partners, and make critical connections

Target Audience

- Airport authorities, operators, and agencies
- Airline executives
- Passenger terminal operators
- GSE companies
- Electricity production companies
- Transmission and distribution utilities and system operators
- Renewable energy companies and retailers
- Energy management companies
- Energy consulting companies
- Government and regulatory agencies
- Contractors, engineering consultants, etc.
- Airport infrastructure planning experts
- EV charging station developers and operators
- Electric fleet management companies
- Aviation industry experts
- Airports-related equipment manufacturers
- Logistics companies
- Technology providers
- Research institutions and academia
- Environmental engineers, managers and planners
- Financial institutions, legal experts, management consultants, etc.

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Time	Session
08:00–08:50	Registration and Reception
08:50–09:00	Welcome Remarks by Global Transmission Report
09:00–09:30	Opening Address: Pathways to Decarbonised Airports
09:30–10:30	Plenary: Accelerating Airport Electrification in Australia – Why and How ❖ Need for electrification of airport operations ❖ Meeting net-zero emission and sustainability goals ❖ Aligning with evolving decarbonisation targets and regulatory frameworks ❖ Near-term and long-term opportunities ❖ Challenges in planning and preparing for large-scale electrification ❖ Implementing mechanisms to achieve the desired objectives ❖ Strengthening collaboration across public, private, and industry stakeholders
10:30–11:00	Coffee Break and Networking
11:00–11:45	Assessing and Managing Airport Electricity Demand ❖ Understanding anticipated electricity demand at the airports ❖ Policy and regulatory considerations for demand management ❖ Prioritizing areas of electrification for strategic returns ❖ Integrating demand assessment tools and technologies ❖ Future-proofing electrical infrastructure
11:45–12:45	Decarbonising Airside Operations: Ground Support Equipment and Infrastructure Readiness ❖ Opportunities and challenges in electrifying ground support equipment (GSE), such as pushback tractors, belt loaders, luggage tugs, baggage carts, etc. ❖ Upgrading energy infrastructure for operational efficiency and high reliability ❖ Preparing for next-generation airside needs and long-term scalability ❖ Case studies and lessons from early projects
12:45–13:45	Lunch and Networking
13:45–14:45	Landside Transport Electrification and Charging Infrastructure ❖ Electrification of landside transportation (shuttle buses, ride- hailing, passenger cars, etc.) ❖ Key considerations in planning for electrification ❖ Design and integration of charging infrastructure Overcoming grid connection delays and capacity limits ❖ Coordinating with utilities and distribution network operators ❖ Operational challenges and future strategy ❖ Real-world case studies
14:45–15:45	Integrating Renewables and Storage for Smart Airports ❖ Opportunities in integrating renewable energy for airport electrification ❖ Cost-benefit analysis of microgrids and energy storage for resilience and grid independence ❖ Revamping airport's electrical infrastructure to accommodate DERs ❖ Innovative projects and case studies
15:45–16:30	Financing Airport Electrification ❖ Exploring funding programmes ❖ Bridging the funding gap: airport-led PPPs and investor partnerships ❖ Risk-sharing frameworks and procurement strategies ❖ Maximizing ROI for electrification investments ❖ Case studies of funding models that could work
16:30	End of the Conference

Note: This is a preliminary agenda. Session topics and timings are subject to change as we finalise the programme closer to the conference date.

ABOUT THE ORGANISERS

About Global Transmission Report

Global Transmission is a leading provider of information and analysis on the global electricity transmission industry. We publish newsletters and market intelligence reports, offer custom research and advisory services, and organize conferences on crucial and topical issues relevant to the industry.

Our leading products – **Global Transmission Report** (a monthly newsletter), **Global Transmission Weekly** (a weekly update), and www.globaltransmission.info (website) – keep you informed on key developments, trends and issues in the industry. Our industry-focused research reports provide decision-makers with the latest data, insights and analysis on policy, regulations, market size, projects, investment plans, market forces and drivers, players and the competitor landscape, as well as growth forecasts and the outlook for important industry segments. In addition, we undertake custom research mandates to serve the specific needs of our clients and help them identify definite opportunities and markets, and assess their competition. We track developments in over 100 countries across all regions to ensure reliable and actionable research.

AUinfra

AUinfra is a new initiative, launched in 2025, from a company with more than two-and-a-half decades of successful B2B media experience focused on infrastructure sectors with global and regional content.

The promoters of AUinfra have founded over a dozen publications/websites related to infrastructure across the world, including InfraUS, Middle East Infrastructure, Global Transmission, Global Mass Transit, RE Global, AV America, Southeast Asia Infrastructure, Power Line, tele.net, Renewable Watch and others.

We produce:

- Over 100 successful conferences every year
- Over 60 multi-client and custom research reports annually
- 8 monthly, 15 weekly, 1 bimonthly, 1 quarterly and 8 annual publications

The mission of AUinfra is to provide information, analysis and insight on infrastructure sectors in Australia through websites, research reports, and conferences. We intend to cover power grid, ports, airports, railways, public transit, broadband, water, construction, infrastructure finance, and public-private partnerships.

About REGlobal

The mission of **REGlobal** is to provide global, high-level analysis and perspective on issues related to renewable energy that are of interest and relevance to CXOs working with energy developers, electricity utilities, technology providers, investors, regulators, policymakers and other concerned organizations.

REGlobal features analysis of key trends and major developments, interviews with top managers and officials, opinion of leading experts and a rich knowledge centre. It covers a wide range of issues and topics including but not limited to markets, technology, policy and finance. The primary focus is on all forms of renewable energy but, when relevant, it also examines trends related to other sources of energy.



DELEGATE FEE

Delegates	Price before August 15, 2025	Price before September 12, 2025	Standard Fee (AUD)
One Delegate	AUD 960	AUD 1,080	AUD 1,200
Two Delegates	AUD 1,536	AUD 1,728	AUD 1,920
Three Delegates	AUD 2,112	AUD 2,376	AUD 2,640
Four Delegates	AUD 2,688	AUD 3,024	AUD 3,360
Special Category*	AUD 400	AUD 450	AUD 500

*There is a special low fee for government agencies, regulatory authorities, academia and research institutions

REGISTRATION FORM

☐ I would like to register for the conference

☐ Please send me more information

NAME/DESIGNATION _____ COMPANY _____

MAILING ADDRESS _____

PHONE _____ MOBILE _____

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please visit: <http://bit.ly/4kFmlzD>

All credit card payments will be subject to standard credit card charges

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TERMS AND CONDITIONS

Payment Policy

- Full payment must be received prior to the conference in USD.

Cancellations

- Cancellation requests received in writing 30 days before the date of the conference will be eligible for a full refund, minus a service charge/administration fee of AUD 250. We regret that no refunds will be made for any cancellation requests received less than 30 days prior to the conference.
- Substitutions/name changes are welcome at no extra charge. Please send these in writing at least two days prior to the conference.

Disclaimer

- Global Transmission Research shall assume no liability whatsoever in case the conference is postponed or cancelled due to a fortuitous event or unforeseen occurrence that renders its organization impractical, illegal or impossible. For purpose of this clause, a fortuitous event shall include, but not be limited to: war, fire, labor strike, extreme weather or other emergency. Global Transmission Research's responsibility is limited to the return of registration fees only, and not any travel and accommodation costs.
- Please note that it may become necessary for reasons beyond the control of the organizers to make alterations to the content and timing of the program or speakers. To register, click here or send an email to registration@globaltransmission.info

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