

Conference on

PORT ELECTRIFICATION AUSTRALIA

November 11, 2025 | Sydney



30 % Discount ends on September 26
10 % Discount ends on October 17

Register Now

Hosted by:

Global **Transmission** Report

Supported by:

AUinfra

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Analysis and perspective for CXOs

BACKGROUND

Ports are central to Australia's supply chains and play a pivotal role in the country's decarbonisation journey. As the maritime and logistics sectors work to meet ambitious international and national emissions targets, electrifying port infrastructure and operations has emerged as a promising pathway to reduce emissions while enhancing efficiency.

From shore power and towage to stevedoring, warehousing, and transport, electrification presents a long-term solution to curb harmful emissions across the supply chain. Across Australia, ports are increasingly adopting renewable energy, transitioning equipment to electric power, and decarbonising their energy supply. A standout example is the Port Authority of NSW's shore power project, which is set to become the first of its kind in the Southern Hemisphere, thus paving the way for greener port operations.

Supported by the Australian Government's green finance initiatives, such efforts are laying the groundwork for a cleaner, more resilient port sector. However, the transition is complex and will require strong collaboration across stakeholders to manage its technical, operational, and governance challenges effectively.

Against this background, Global Transmission Report, with support from AUinfra and REGlobal, is excited to launch the inaugural Port Electrification Australia conference, on November 11, 2025, in Sydney. The conference will discuss how Australian ports can advance electrification to meet sustainability goals, improve operational efficiency, and remain globally competitive.

This inaugural conference builds on the success of our Port Electrification series in the US. Over the past two years, this series convened hundreds of stakeholders to examine how US ports are meeting rising energy demands, transitioning to zero-emission equipment, and responding to rapidly evolving decarbonisation mandates. These insights now serve as a valuable reference as Australia undertakes a similar transformation across its port infrastructure.

The Australian event will:

- Bring together port authorities, operators, regulators, technology providers, and energy stakeholders for a collaborative discussion.
- Showcase leading projects and initiatives from Australia and the Asia Pacific region.
- Explore policy, finance, and regulatory enablers for port electrification.
- Identify solutions for challenges unique to the Australian ports.
- Help port users align their decarbonisation efforts with electrification initiatives.

Who should attend?

The conference is targeted at executives from:

- Gain insight into the port electrification plans and programs of leading ports in Australia
- Follow the latest trends in port electrification
- Explore how port operators can work with utilities and renewable energy developers in meeting their electrification goals
- Identify opportunities for charging infrastructure providers
- Identify key considerations in electrifying port equipment and infrastructure
- Analyse best practices for carrying out port electrification
- Gain insights into technologies and solutions that will revolutionise port electrification
- Benefit from in-person networking opportunities
- Evaluate opportunities and identify challenges in the electrification of ports
- Understand how the grid is going to be redefined for meeting the demands of electrification at ports
- Hear the perspectives of leading port operators
- Get familiar with the regulatory requirements and evolving standards
- Hear from early adopters on their experiences and perspectives on planning, procurement, costs, operations, and maintenance
- Explore relevant solutions for different areas of port operations (docks, parking lots, warehouses, etc.)
- Engage in enriching discussions and deepen your knowledge with targeted questions
- Interact with potential customers and partners, and make critical connections

Target Audience

- Port operators, authorities and agencies
- Transmission and distribution utilities
- Dredging companies
- Port infrastructure planning experts
- Charging technology providers
- Shipping companies
- Logistics companies
- Renewable energy companies
- Government and regulatory agencies
- Contractors, engineering consultants, etc.
- Financial institutions, legal experts, management consultants, etc.
- Electric fleet management companies
- Equipment manufacturers
- Research institutions and academia

Annual Conference

PORT ELECTRIFICATION AUSTRALIA

November 11, 2025 | Sydney

Time	Session
08:00–08:50	Registration and Reception
08:50–09:00	Welcome Remarks by Global Transmission Report
09:00–09:30	Opening Keynote Address: Vision for Port Decarbonisation and Australia's Net Zero Strategy
09:30–10:30	Accelerating Decarbonisation at Australia's Ports - Strategic benefits of port decarbonisation - Scaling electrification to meet emissions targets - Navigating operational, logistical, and funding challenges - Aligning with evolving regulations and climate goals - Strengthening industry collaboration to sustain and accelerate deployment
10:30–11:00	Coffee Break and Networking
11:00–11:50	Electrification of Port Operations and Infrastructure – Where and How? - Scope and priority areas for electrification: shore power, cranes, forklifts, drayage, cold storage, etc. - Infrastructure and grid readiness - Workforce development and training - Comparing phased vs. full-scale approaches - Long-term cost-benefit analysis
11:50–12:45	Policies and Regulations to Support Electrification - National and state-level policy drivers - Planning processes - Government incentives and compliance frameworks - Creating an enabling policy environment
12:45–13:45	Lunch and Networking
13:45–14:35	Building the Charging Infrastructure at Ports - Infrastructure needs: shore power, EV charging, equipment electrification - Overcoming constraints: cost, space, complexity, and grid connection - Innovative approaches: modular design, smart grid integration, battery swapping - Financing strategies: PPPs, grants, green bonds - Case studies
14:35–15:30	Ensuring a Resilient Energy Supply - Managing increased electricity demand - Collaborating with utilities and grid operators - Onsite renewable generation: solar, wind, hydrogen - Storage solutions and microgrids for reliability - Upgrading electrical infrastructure - Examples of resilient power strategies in port settings
15:30–16:30	Port Electrification Case Studies - Review of electrification strategies and implementation plans at various ports - Innovations that are improving operational performance, reducing emissions, and engaging stakeholders - Economic impacts: assessing capital investment, operational costs, and long-term financial returns - Case highlights: successes, roadblocks, and adaptive strategies used during project delivery - Best practices for scaling pilot projects into port-wide or multi-terminal electrification rollouts - Insights to inform future project planning, collaboration models, and technology adoption
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.

About AU Infra

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.

For more information about **AUinfra**, please email us at info@auinfra.org

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 September 26, 2025	Price before October 17, 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

Complimentary registration is available for port operators and government agencies.

*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 _____

FAX _____ EMAIL _____

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1. Credit Card: To make payments by credit card,
please visit: <https://bit.ly/44RT1zB>

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

2. Wire Transfer:

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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 the 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, send an email to ishan.arora@globaltransmission.info.

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