

**RECHARGE Wind Power Summit 2026 Asia-Pacific powered by
WindEnergy Hamburg**

**Parallel Program curated by Enterprise Singapore
Powering Asia’s Energy Transition:
From Transmission to Offshore Wind Delivery**

Date: 19 to 20 May

Venue: Suntec Singapore Convention & Exhibition Centre, Level 3 Seminar Room 311

Date	Time	Programme
Theme 1: Transmission Infrastructure		
19 May (Tue)	1330 – 1530	Session 1: Catalysing Southeast Asia’s Energy Transition – the Role of Transmission Infrastructure
Theme 2: Floating Wind		
19 May (Tue)	1530 – 1700	Session 2: Scaling Floating Wind through Ecosystems, Industrialisation and Confidence
19 May (Tue)	1700 – 1830	Session 3: Standardising floating WTG components in Asia
Theme 3: Delivering Offshore Wind in Emerging Markets		
20 May (Wed)	0915 – 1015	Session 4: Designing Offshore Wind Auctions: Unlocking Value and Scale
20 May (Wed)	1100 – 1200	Session 5: From Auction to FID: Financing ASEAN’s first wave of offshore wind projects
20 May (Wed)	1300 – 1400	Session 6: No port, No project: solving the “chicken-and-egg” problem for offshore wind ports
Theme 4: Cybersecurity		
20 May (Wed)	1430 – 1600	Session 7: Cybersecurity Workshop

**You may click on the session titles to navigate to the correct page for more details*

Theme 1: Transmission Infrastructure

Session 1: Catalysing Southeast Asia’s Energy Transition – the Role of Transmission Infrastructure

Date / Time: 19 May, 1330 – 1530

Synopsis

The Middle East conflict underscores the fragility of global energy systems and the risks of continued dependence on imported fossil fuels. For Southeast Asia, this is a timely reminder of the urgency to accelerate the transition towards cleaner, more secure energy sources. Strengthening domestic transmission networks and developing cross-border interconnectors will be critical enablers of regional power trade, helping countries diversify supply and enhance resilience. However, these infrastructural projects remain complex, capital-intensive and exposed to regulatory, geopolitical and technical risks. At the same time, supply chains for cables, transformers and offshore assets are under increasing strain, raising questions around capacity, localisation and technology readiness.

Anchored by global perspectives and regional case studies, this series of interactive panels will explore how markets can navigate these challenges, from structuring bankable interconnector projects and aligning multi-country regulations, to strengthening supply chains and accelerating innovation. Bringing together policymakers, industry and research bodies, the session aims to surface practical insights and collaborative pathways to position Southeast Asia as a scalable, resilient hub for future transmission and cross-border power networks.

Key Discussion Topics

- What are the main barriers to developing cross-border power interconnectors in Southeast Asia and what lessons can be drawn from Europe’s experience?
- How should risks be shared among governments, utilities, developers, and financiers to make cross-border grid projects commercially viable
- Is the regional and global supply chain ready to support Southeast Asia’s scale-up of high-capacity and modern grid infrastructure
- Which emerging grid technologies can most quickly and cost-effectively enable grid modernisation and regional power integration in Southeast Asia?

Time	Duration	Programme
1330 – 1335	5 minutes	Welcome Remarks by Energy Market Authority of Singapore (TBC)
1335 – 1345	10 minutes	Context-setting presentation by Martin Beck , Energy Transition Leader Asia, Marsh Asia on the state of cross-border interconnectors in Southeast Asia
1345 – 1425	40 minutes	Interactive panel session 1: Cross border interconnectors Panellists: <ul style="list-style-type: none"> • Moderator: Martin Beck, Energy Transition Leader Asia, Marsh Asia • Arshi Pathan, Project Techno-Commercial Professional, TenneT and Senior Energy Industry Advisor, NORWEP • Samuel Yee, Project Finance Specialist, DBS

		<ul style="list-style-type: none"> • Law Gee Yong, Director of Regulatory Engagement, Singapore Energy Interconnections (SGEI) • Becky Sung, Head of Structured Finance – APAC, TotalEnergies
1425 – 1430	5 minutes	Coffee break
1430 – 1440	10 minutes	Context-setting presentation by Umang Mehrota , Senior Analyst, Rystad Energy
1440 – 1520	40 minutes	<p>Interactive panel session 2: Supply chain and technology</p> <p>Panellists:</p> <ul style="list-style-type: none"> • Moderator: Umang Mehrota, Senior Analyst, Rystad Energy • Dr Victor Nian, Founding Co-Chairman, Centre for Strategic Energy and Resources and Principal Scientist, A*STAR • Giacomo Rizzi, Regional Director for Oceania & Southeast Asia, Prysmian • Lennart Wouters, Jan De Nul • Sreeram Radhakrishnan, Head of Business Development, Offshore Substations Energy
1520 – 1525	5 minutes	Reflections and Key Takeaways by Sam Chua , Principal, Rystad Energy

Theme 2: Floating Wind

Session 2: Scaling Floating Wind through Ecosystems, Industrialisation and Confidence

Date / Time: 19 May 1530 – 1700

Synopsis

Floating offshore wind (FLOW) has the potential to transform the trajectory of renewable energy development, with access to stronger and more consistent winds in deeper waters. According to the International Renewable Energy Agency (IRENA), FLOW has a global pipeline of 244GW, though the technology remains nascent, with challenges around industrial scalability, bankability and technical feasibility. This session will explore how floating offshore wind can move from innovation to investment by building the right ecosystems, industrial capabilities and confidence from R&D, to fabrication, certification and financing. It also examines what developers and investors need to commit capital, including risk allocation and project readiness.

Key Discussion Topics

- Is floating wind genuinely held back by cost or are today’s barriers more about risk aversion, fragmented decision-making, and lack of confidence in first-of-a-kind projects?
- Why do so many floating wind concepts stall at the pilot stag? Are we over-innovating and under-industrialising?
- What builds investor confidence across certification, evidence, and collaboration and can regional, neutral hubs like Singapore help accelerate deployment?

Time	Duration	Programme
1530 – 1605	35 minutes	Series of short presentations <ul style="list-style-type: none"> • Context-Setting: Framing the Challenge • Building the Floating Wind Innovation Ecosystem • Industrialising Floating Wind Platforms with FWSS by Seatrium • What Developers Need to Invest in Floating Wind by FLOWRA • How Certification Enables Bankable Floating Wind by DNV • Role of Stress-Testing, Digital Twinning and AI by TCOMS Concluding remarks and transition to panel
1605 – 1615	10 minutes	Coffee Break
1615 – 1700	45 minutes	Moderated Panel Discussion <ul style="list-style-type: none"> • Moderator: Zhang Minghui, Director of Offshore Wind APAC, DNV • Ikari Mototsugu, General Manager, International Alliance, FLOWRA • Tim Fischer, Global Executive Director for Wind, Ramboll • Jon Salazar, CEO, Gazelle Wind Power

Session 3: Standardising floating WTG components in Asia

Date / Time: 19 May 1700 – 1830

Synopsis

One key aspect of FLOW industrialisation and therefore scaled deployment across Asia is the absence of standardised components for floating wind turbine generators (WTGs). Standardisation of key WTG components is essential to unlocking cost reductions, streamlining supply chains, and enabling the broader industrialisation of floating wind in the region. This session will feature members of the Joint Working Group on Offshore Wind, convened as part of Singapore’s national standards development process, alongside industry speakers from across the region. Together, they will examine the current landscape of floating WTG standardisation efforts, share perspectives on broader industry implications, and drive alignment on a common path forward.

The session will culminate in a closed-door roundtable, providing stakeholders from across the region with a direct opportunity to contribute to and shape the JWG’s proposed guidance document for floating WTG components in Asia, helping to ensure the resulting standards are practical, inclusive and reflective of diverse conditions across the region.

Time	Duration	Programme
1700 – 1710	10 minutes	Setting the stage – Brief intro to OSW in the region/SG, existing standardisation landscape Speaker: Zhang Minghui , Director of Offshore Wind APAC, DNV and Co-Convenor, Joint Working Group (TBC)
1710 – 1720	10 minutes	Introducing the Workshop Agreement – Framing the FLOW challenge, broader implications, intent of standardisation Speaker: Dr Srikanth , Senior Scientist and Program Director, Energy Research Institute @ Nanyang Technological University and Co-Convenor, Joint Working Group (TBC)
1720 – 1755	35 minutes	Moderated Panel Discussion on Standardisation for FLOW
1755 – 1830	35 minutes	Closed-door Roundtable with invited stakeholders to seek industry feedback Three segments: site conditions, turbine technology and floater technology

Theme 3: Delivering Offshore Wind in Emerging Markets

Session 4: Designing Offshore Wind Auctions: Unlocking Value and Scale

Date / Time: 20 May, 0915 – 1015

Synopsis

Supply chain disruptions, cost inflation and other conditions have challenged the project economics of offshore wind developments globally, prompting a rethink by governments on revised auction and subsidy mechanisms. Emerging OSW markets in APAC such as India and Vietnam are embarking on the same process but have to navigate a balancing act between consumer affordability and project viability, local industry development and optimising access to regional supply chains, as well as managing grid and permitting constraints to minimise “zombie” projects. Getting the auction design right is critical to shape long-term outcomes.

Drawing on cross-market learnings from Europe and other mature markets, the discussion will examine key design considerations, such as pre-qualification, pricing mechanisms, non-price criteria, grid allocation and risk-sharing structures, that can improve project bankability and execution certainty. It will also address common challenges in APAC, including supply chain gaps, regulatory fragmentation and financing constraints, with the aim of identifying practical approaches tailored to regional realities.

Key Discussion Topics

- How can offshore wind auctions be designed to balance consumer affordability, competitive pricing, and long-term project viability?
- In the absence of a one-size-fits-all model, what core principles and best practices should underpin offshore wind auctions across different markets?
- What role can developers, supply-chain players, and investors play in shaping auction design, and how can industry consultation be made more structured and effective?
- Do non-price criteria and local content requirements genuinely accelerate domestic industry, or do they risk increasing costs and slowing delivery?
- Are current auction frameworks inadvertently creating ‘zombie projects’, and how should risk-sharing, grid allocation, and pre-qualification rules be redesigned to ensure only bankable projects are awarded?

Time	Duration	Programme
0915 – 0930	15 minutes	Presentation by Dr Prabir Kumar Dash , Scientist E, MNRE, Government of India
0930 – 1010	40 minutes	Moderated Panel Discussion <ul style="list-style-type: none"> • Moderator: Bruce Valby, Managing Director, BVG Associates • Dr Prabir Kumar Dash, Scientist E, MNRE, Government of India • Hassan Basma, Founder and CEO, HBA Future Energy • Rep from RWE / Orsted
1010 – 1015	5 minutes	Closing Remarks

Session 5: From Auction to FID: Financing ASEAN’s first wave of offshore wind projects

Date / Time: 20 May, 1100 – 1200

Synopsis

Commercial-scale offshore wind projects in the ASEAN markets of the Philippines and Vietnam are moving closer to bankability, supported by clearer regulatory frameworks around permitting, consenting processes, and route-to-market mechanisms. In particular, the Philippines’ 3.3GW GEA-5 auction launched in late 2025 represents a pivotal milestone, laying the groundwork for the country’s first wave of offshore wind projects.

As regulatory clarity improves, the central question shifts from *whether* projects can proceed to *how* they can secure the scale of financing required to reach Final Investment Decision (FID) within the next two years and stay on track for commercial operation dates (COD).

This session will examine how different actors across the financing ecosystem, including commercial banks, development finance institutions (DFIs), export credit agencies (ECAs), equity investors, insurers, and government stakeholders, can collaborate to structure bankable solutions. It will explore risk allocation, blended finance models, local currency considerations, supply chain financing, and credit enhancement mechanisms needed to unlock capital at scale and accelerate project delivery in Southeast Asia’s emerging offshore wind markets.

Key Discussion Topics

- With auctions now in place to address route-to-market concerns in the Philippines, what are the hurdles to getting offshore wind projects to FID?
- How can banks, DFIs, ECAs, insurers, and equity investors work together, through risk allocation and blended finance, to unlock capital at scale?
- Can local currency financing and credit enhancement mechanisms materially improve bankability in markets like the Philippines and Vietnam?
- Are current technology, contracting, and supply-chain choices, including turbine selection and multi-contracting, truly financeable from a lender and insurer perspective?

Time	Duration	Programme
1100 – 1110	10 minutes	Presentation by Theo Sunico , Director of Regulatory & Markets, Triconti ECC
1110 – 1120	10 minutes	Presentation by William Jackson , Senior Director and Head of Singapore, Green Giraffe Advisory
1120 – 1200	40 minutes	Moderated Panel Discussion <ul style="list-style-type: none"> • Moderator: William Jackson, Senior Director and Head of Singapore, Green Giraffe Advisory • Yuichiro Yoi, Principal Investment Specialist, Asian Development Bank • Timothy Lee, Head of Renewables, Munich Re • Yash Shah, MD & Head of Energy (Asia), SMBC • Sean Burnage, Regional Head of Origination (APAC & Europe), UK Export Finance
1200 – 1230	15 minutes	Coffee break

Session 6: No port, No project: solving the “chicken-and-egg” problem for offshore wind ports

Date / Time: 20 May, 1300 – 1400

Synopsis

Outside of the mature offshore wind markets of China and Taiwan, the rest of APAC is entering the delivery phase. Yet one critical bottleneck remains – ports. Offshore wind cannot be built at scale without suitable port infrastructure. Developers need certainty that ports can handle marshalling, staging and long-term operations. At the same time, port owners are reluctant to commit significant capital upgrades without firm project pipelines and revenue visibility. This creates a “chicken and egg” dilemma: no port investment without projects, and no projects without ready ports.

This session brings together port owners and operators, developers, turbine OEMs and logistics players to explore what “port readiness” truly means in an APAC context and to enable cross-learning / sharing of challenges, solutions and port development models. Where are the biggest investment and coordination gaps? Who should move first: ports, developers, or governments? And what partnership models, risk-sharing structures, or funding mechanisms can unlock bankable, investable and sustainable port infrastructure quickly enough to support the region’s first commercial-scale projects?

Ultimately, the discussion will examine how APAC can break the cycle - turning ports from a constraint into a catalyst for offshore wind delivery.

Key Discussion Topics

- What does “port readiness” really mean for offshore wind in APAC, and where are the biggest capability and investment gaps today?
- Who should move first to break the chicken-and-egg problem: ports, developers, or governments and why? What are the key takeaways from successful port developments such as Port Taichung which can be applied to other markets?
- What partnership models, risk-sharing arrangements, or funding mechanisms can make port investments bankable ahead of firm project pipelines?

Time	Duration	Programme
1300 – 1315	15 minutes	Presentation by GWEC (TBC)
1315 – 1355	40 minutes	Moderated Panel Discussion <ul style="list-style-type: none"> • Moderator: Ben Carozzi, Partner, Norton Rose Fulbright • Jason Chiang, Project Director, Haskoning • Aris Tulalian, CEO & President, Zenith Renewables • Simon Van de Vende, DEME • Rep from Port Developer or Operator

Theme 4: Cybersecurity

Session 7: Cybersecurity Workshop

Date /Time: 20 May, 1430 – 1600

As renewable energy infrastructure becomes more digitally connected and globally sourced, concerns are rising about the potential for these assets to be exploited for surveillance, data gathering, and remote access. Networked components within wind farms, solar arrays, and energy storage systems can inadvertently expose operational data, grid performance metrics, or geospatial information if not properly secured. This session will start with a presentation to propose several approaches in which asset owners and operators can take to reduce these risks during the procurement, design, and implementation stage of a renewable energy assets. It will be followed by a workshop to introduce a Secure by Design approach tailored for wind asset owners, operators, and developers. Participants will explore how security principles can be embedded across the lifecycle of wind projects, from procurement and system design to implementation, and operations.

Time	Duration	Programme
1430 – 1450	20 minutes	<p>Context-setting presentation by DNV: Building Trustworthy Renewable Assets: Managing Surveillance and Remote Access Threats</p> <p>As renewable energy infrastructure becomes more digitally connected and globally sourced, concerns are rising about the potential for these assets to be exploited for surveillance, data gathering, and remote access. Networked components within wind farms, solar arrays, and energy storage systems can inadvertently expose operational data, grid performance metrics, or geospatial information if not properly secured. This presentation will propose several approaches in which asset owners and operators can take to reduce these risks during the procurement, design, and implementation stage of a renewable energy asset</p>
1450 – 1600	70 minutes	<p>Interactive design workshop by DNV: Secure Wind Energy Assets: Secure by Design approach</p> <p>As wind energy systems become more digitally interconnected, ensuring their security from the earliest stages of planning and design is essential for operational reliability and regulatory compliance. This workshop introduces a Secure by Design approach tailored for wind asset owners, operators, and developers. Participants will explore how security principles can be embedded across the lifecycle of wind projects, from procurement and system design to implementation, and operations.</p> <p>The session highlights common design challenges in modern wind infrastructure, practical mitigation strategies, and governance measures that reduce risks without slowing deployment. Through case examples and interactive discussion, attendees will learn how to build wind energy assets that are robust, compliant, and ready to support a secure clean-energy future.</p>