Power Generation Engineering & Construction 2027
Agenda Breakdown

The Power Generation Engineering & Construction Conference & Expo brings together the people building the energy projects that will power tomorrow.

Designed for developers, hyperscalers, EPCs, licensors, OEMs, grid operators, regulators, and specialist service providers, the agenda delivers practical insight into navigating market complexity and accelerating the design, development, and delivery of best-in-class power generation projects.

Market Overview: Power Generation and Delivery Growth in Texas and across the U.S

- How load growth from data centres, industrial expansion, and electrification is accelerating demand for new generation, transmission, and distribution capacity
- Why Texas is leading the market, and how ERCOT compares with other key regions such as PJM in terms of growth, interconnection and resource planning
- What the near-, mid-, and long-term buildout looks like across gas, renewables, storage, transmission and emerging technologies, and where the biggest delivery constraints sit

Fireside Chat: Leading Multiple Generation Projects Across the Gulf Coast

- Turning an unprecedented pipeline into deliverable projects amid constrained execution capacity, limited Tier 1 contractor availability and intense competition for craft labour.
- Leadership choices around project sequencing, portfolio prioritisation and regional supply-chain strategy as gas generation demand grows alongside large-load development.
- Balancing schedule certainty, permitting, interconnection and operational readiness across multiple projects.

Pre-FID Panel: Early Design, Procurement Strategy and the Decisions that De-risk Delivery

- Optimizing the early design and commercial decisions that determine buildability: plant configuration, site and interconnection readiness, delivery model, risk allocation and a credible route to commercial operation.
- How to secure long-lead and critical-path equipment, manage early deposits and decide when owner-furnished equipment can improve schedule certainty.
- Designing for constructability, supplier availability and craft-labour realities while managing capital exposure and procurement timing.

Presentation: Standardisation Strategies for Faster Gas Generation Delivery

- How standardised power blocks and repeatable engineering can reduce design effort, improve constructability, and ease pressure on scarce engineering and craft-labour resources.
- Case study into how standardisation improves equipment procurement, construction sequencing and commissioning readiness.
- Practical lessons for utilities, IPPs and EPCs on balancing speed, reliability, performance and lifecycle value in gas generation projects.

Execution Panel: How Owners and EPCs are Managing Cost Escalation and Delivery Risk

- How owners and EPCs are protecting schedule certainty when long-lead electrical equipment, constrained contractor capacity and supplier leverage threaten the critical path.
- Approaches to risk allocation, interface management and commercial governance across owners, EPCs, OEMs and subcontractors — including the practical implications of OFE and delayed design submittals.
- How teams are maintaining productivity and delivery discipline amid cost escalation, craft-labour competition and evolving project scope after notice to proceed.

Case Study: Spotlighting a Hybrid Generation Project for Reliability, Flexibility and Value

- How the project team integrated gas generation, solar and battery storage to balance dependable capacity, operational flexibility and commercial value.
- The delivery choices behind the project: site layout, controls and interconnection design, equipment strategy, construction sequencing and clear interface ownership.
- Where hybridisation improves the business case, and how to manage added technical, commercial and execution complexity before FID.

Innovation Panel: Breakthrough Solutions to Design, Develop and Deploy World-Class Power Generation Facilities

- Practical applications of AI, digital engineering and modular pre-construction that are shortening early-stage workflows, improving equipment reviews and achieving better commercial decisions.
- Innovations to improve delivery outcomes: from procurement intelligence and project controls to standardisation, constructability and commissioning readiness.
- What separates genuine project value from technology hype? Implementation lessons, measurable results, and how to integrate new tools into workflows.