

Where the Teams Who Engineer, Construct, Commission, Operate & Maintain LNG Export Facilities Learn & Do Business



Mike Vandermate
SVP Engineering & Construction,
Semptra Infrastructure



Steve Corbin
VP & Executive
Project Director, LNG
Canada



Corey Grindal
Chief Operating
Officer, Cheniere
Energy



Raquel Couri
Senior Vice President
Next Decade



Bhupesh Thakkar
Senior Vice President &
General Manager - LNG,
Bechtel Corporation



Farhan Mujib
President
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President - LNG,
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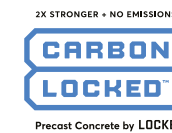


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Welcome to LNG Export Engineering, Construction, Operations, Maintenance & Turnarounds Conference & Exhibition 2024

This event is unique in its dedicated focus on engineering, construction, operations, maintenance & turnaround professionals working at the heart of the most important LNG Export projects/plants in North America and around the world.

We're dedicated to providing you and your teams with a forum which brings together the leading practitioners in your field to share experience, foster collaboration and new networks, overcome challenges and drive growth, development and improved performance for yourself and your team.

This June 25-26, we will bring together over 80+ industry leading speakers, 90+ Exhibitors, 1000+ attendees and over 2 days of fantastic learning and networking opportunities.

Our agenda has been developed in coordination with our conference advisory board which is owner / operator led - to focus on the most pressing challenges facing you currently.

Through industry leading keynote sessions, the worlds largest LNG construction exhibition, world class panel discussions, workshops & closed forum seminars, you will gain access to unmissable knowledge and access to industry experts which you won't be able to get anywhere else.

Our primary focus is always on delivering quality. Quality of speakers, quality of content and quality of experience. We also want to ensure we constructively give back to the industry, so a portion of all profits from the event goes towards sponsorships for students who are undertaking degrees focused on the LNG industry, to ensure we are doing our bit to support the development of the next generation of LNG professionals.

Thank you to our 2024 advisory board

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KEY THEMES

Engineering & Construction



Craft Professionals Labor Shortages	Execution & Design Strategies to Improve Schedule & Productivity	Modular Construction for LNG Export Projects
Changing Contracting Models for LNG Projects	Supply Chain, Logistics & Procurement in a Hot Construction Market	Regulation & Permitting – Working with FERC, PHMSA, TCEQ, USCCG
Feedgas – What to do With an Increasingly Nitrogen Heavy Gas Supply	High Purity NGL's – Ensuring Supply & Infrastructure is there for LNG Plants	Developing Industry Standards – so Industry Partners Work Effectively With Regulators

Operations, Maintenance & Turnarounds



Efficiency & Quality in CSU Scheduling	Planning for Ops: Incorporating Ops into Design	Operational Excellence, Maintenance and Reliability
Flaring Strategies and Environmental Considerations	Turnarounds and Asset Readiness	CSU: Overcoming the challenges
Early Integration of Operational Perspectives	Building Robust Readiness Plans and EPC Integration	Best Practices in Operational Excellence

2024 Speakers (Over 80+ Speakers)

Hear from the Leading Names in LNG Export Engineering, Construction, Operations & Maintenance - Confirmed 2024 Speakers Include:



Corey Grindal,
Chief Operating
Officer, **Cheniere
Energy**



Mike Vandermate
SVP Engineering &
Construction, **Sempra
Infrastructure**



Steve Corbin
Executive Project
Director, **LNG Canada**



Paul Varello
Executive Chairman,
Commonwealth LNG



Raquel Couri
Senior Vice President
Next Decade



Bhupesh Thakkar
Senior Vice President & General
Manager - LNG, **Bechtel Corporation**



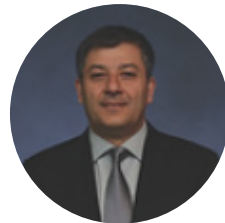
Farhan Mujib
President
JGC Corporation



Julie Nelson
Senior Vice President,
Cheniere Energy



Jim Lewis
Vice President Operations,
Western Hemisphere
McDermott



Pierre Bechelany
President - LNG,
Fluor Corporation



Farhaz Shahid
Director of Supply Chain
Center of Excellence,
Cheniere Energy



Giorgio Pasqualin
LNG Commissioning
Manager
Sempra Infrastructure



Eric Gutierrez
President - Energy, **Kiewit**



Mike Britton
Project Director - Train 4,
Freeport LNG



Darya Swaby
Director of Supply Chain
Management,
**Sempra
Infrastructure**



**Matthew
Saunders**,
Director, Contracts &
Procurement **Next
Decade**



Mike Sommers
President & CEO,
**American Petroleum
Institute**



Leslie Pereira
LNG Senior Operations
Manager, **Sempra
Infrastructure**



**Duncan
McLaren**
Director of Operational
Readiness,
Cheniere Energy



Yovannis Mieréz
Director of LNG
Operations, **Sempra
Infrastructure**



Jonathan Turquette
Director Branch 3,
FERC



Adam Prestige, EVP
- LNG,
Glenfarne / Texas LNG



This Event is Co-Located with the Hydrogen & Ammonia Engineering & Construction Conference - Registration Includes Access to Both Events

HYDROGEN
+ AMMONIA
NA 2024

Engineering & Construction

Conference & Exhibition

25-26 June, Hyatt Regency, Downtown Houston

Co-Located with
LNG EXPORT
NA 2024

Engineer & Construct World Leading Hydrogen & Ammonia Plants

Key Speakers Include:



George Whittaker
General Manager - Energy Transition
Bechtel



Pam Roche
VP Project Management
KBR



Michael Van Swol
Senior Executive Capital Projects
Fluor



Daniel Alaigba
Project Development Manager
Orsted



Joel Moser
CEO, First Ammonia



Matthew LaBorde
Project Development
Manager, TES



Daniel Dus
CEO - USA
ACME Group



Jason Stevens
Director Hydrogen Project Development
& Execution NA, EDP Renewables
Alliance Houston Port Region



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2024 Sample Attendee List

The core attendees for this event are Engineering, Construction, Project Management, Operations, Maintenance, Commissioning, Turnaround, Procurement, Supply Chain and Environmental professionals from major LNG terminal operators and major EPC companies.

Register Today

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Here's a small snapshot of some of the attendees already fully confirmed for 2024:

**Click Here to View a Sample
List of 100% Confirmed
Attendees for 2024**

2024 Agenda

Engineering & Construction Track



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Market Overview

The Outlook for LNG – Meeting the Demands of a Changing Energy System

Assess the global demand & supply outlook for LNG over the next 10-20 years

How much new capacity is needed globally and what role will the US play in that supply

US Inflation Reduction Act (IRA) and LNG – implications

Commodity market trends – outlook

Project Portfolio Trends - LNG Capacity scaling – Economic, commercial, and constructability considerations

Hydrogen (and Ammonia)

Craft Labor & Workforce Development

Analysing the Craft Labor Picture in the US Gulf Coast Up to date overview and analysis of craft labor costs in the US Gulf Coast

Understand supply, demand, wage rate forecasts, estimated travellers, per diems, retention schemes and utilization rates for skilled craft labor

Are all craft labor shortages created equally?

Are craft labor shortages universal to all trades?

Which trades are experiencing craft labor shortages?

How long does it take to build out a robust craft labor pool & should LNG operating companies be partnering with local community colleges to ensure skilled labor?

Panel - EPC & Contractor perspectives - Addressing the Craft Professionals Labor and Engineering Shortages

How does the major EPC's and contractors plan to manage the craft labor shortage challenge for major LNG projects

What does the current craft professional availability actually look like

How are EPC contractors pricing labor rates

What are we doing to improve the productivity of our craft professional labor workforce

What can we do to attract the talent (engineering, operations, HSSE, etc.) needed? – Development and Retainment

What does the pipeline look like for new resources, out of high school/college?

How important is work/life balance (integration) and benefits such as flex time?

Panel - Workforce Development – How Can the LNG Industry Compete with Silicon Valley?

Cross industry Collaboration – ways in which industry partners are working together to develop the LNG workforce needed to support the development of projects across the Gulf Coast and for our industry

Attracting Talent – Understand what the industry needs to do in order to make jobs in the LNG industry appealing to graduates and attract the talent it needs to prosper

Identify the Gaps that Need to be Filled – to drive the increased transition of students from the point of graduation (in the skilled trades or office roles) into careers in the LNG industry

Panel - Inclusion & Diversity – How to Grow and Evolve diversity within the LNG Industry

Workforce diversity; business value and impact to the bottomline

Physical and Psychological Safety – Interconnection of Inclusion and Safety

How do we close the gap

How do we attract, develop, and retain a diverse workforce into the industry

Elements of diversity; visible and invisible - age, gender, race, experiences

How do we create an environment which is appealing to early career professionals, in field and office?

Design & Execution

Modular Construction Part 1 – Panel – Perspectives from Subject Matter Experts

Hear from globally recognised subject matter experts on modular construction

Understand the key aspects of modularisation

When you should go modular & when you shouldn't

What are the key benefits and downsides

What impact does going modular have on the EPC's and Client's resources

Modular Construction Part 2 – Panel – Real World Case studies & Lessons Learned

Hear real world case studies from companies that have extensive experience in utilising a modular approach on their projects

Learn how they found using a modular approach on their projects and the key lessons learned

Panel - Execution & Design Strategies – to improve schedules and productivity

What can we do with the design early, so you can start construction earlier

How can we streamline that process to get to the field earlier

Prefabrication and assembly – what are the capabilities to do key tasks offsite in advance to help improve productivity and mitigate labor shortages

How can we do more with less?

Are digital twins helping and how can EPCs handover digital twins to the Owner in a manner to where they are useful during the operating life-cycle

2024 Agenda

Engineering & Construction Track



How are drones being used to monitor/measure progress and work front availability

What are the benefits of digitizing engineering and vendor data to improve access to field construction personnel

How can regulatory process improve to allow for early activities to begin w/o final design of some elements of the facility

Panel - Project Development – Value Improving Practices on LNG Projects

Implementation of Project Management Value Improving Practices on LNG Projects (Assurance, Framing, Value Engineering, Constructability Review.)

Technology overviews in support of project portfolio trends (carbon management, etc.)

Improvements to reduce schedule and capital cost

Advanced Work Packaging for LNG Export Projects

Hear how Advanced Work Packaging (AWP) can improve the delivery of LNG Export projects

How AWP can be applied to design, construction and commissioning

How AWP can be utilised to reduce project costs, shorten project duration, reduce project execution risks and increase project predictability.

Panel - LNG Project Decarbonisation, Driving Towards Net Zero LNG

Carbon Reduction Strategies – Evaluate the various ways in which project developers are integrating greener technology into their projects

Can the industry successfully deploy carbon capture and storage (CCS) technologies at both a large enough scale and a low enough cost to make them viable

Green Economics - How will these changes impact the economic model of your plants? What will it take for buyers to be willing to step up and absorb those additional costs

Contracting & Risk Management

Panel - Changing Contracting Models for LNG Export Projects

Understanding the current contractor market and which contractors are willing to do lump sum work on LNG Export projects

Changing Contracting Model - from lump sum turnkey to reimbursable & open book lump sum or other hybrid models and why that matters

How labor risk should be shared between owners and contractors

Risk Structure - How to create more fairness in the risk structure between operators and contractors in a highly

volatile commodity pricing backdrop and is this possible when extensive Project Financing is required

Lump Sum – How the lenders are looking at it?

What do EPC's see owners getting wrong during the contracting phase and how to avoid these common pitfalls

Breaking the Cycle of "Someone Always Loses" – How to create a risk structure which is a "winwin" for all parties

Supply Chain, Logistics & Procurement

Panel - Supply Chain Perspectives from the Major OEM's & Logistics Providers

Hear from the major OEM's & Logistics providers on the steps they are taking to mitigate supply chain issues and mitigate volatility for supply chain & logistics

Get an up to date picture on their view of the supply chain and what is happening with lead times

How to Develop a Lean, Cost Efficient & Resilient Supply Chain in a hot construction market

How to effectively manage your supply chain in an environment where multiple mega projects under construction add complexity and risk

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Strategies for developing lean, cost efficient and resilient supply chains to help LNG players successfully develop major LNG projects

Supplier Diversity – How the EPC contractors and owners are supporting small / historically underserved businesses and communities.

Panel - Gas Supply & Infrastructure Challenges (Ethane / Ethylene / Nitrogen)

Engineering impacts of increasingly nitrogen heavy feedgas – will the suppliers remove the nitrogen upstream or will LNG exporters need to install the NRU at the plant? – how to effectively mitigate

Understand the feedgas mix is changing, what the production companies are doing to mitigate and what the long-term horizon looks like (are nitrogen and heavy components, CO₂, and BTEX, Helium/hydrogen levels going to go up or down)

High purity Ethane / Ethylene & Nitrogen refrigerant supply – how are industrial gas suppliers going to ensure they are ahead of the curve to provide enough supply and the supporting pipeline & storage infrastructure for the LNG Export industry

(Closed Doors Forum) – Supply Chain Procurement Owners Forum

What procurement and contract management systems do you use?

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What have you learnt?

What is your experience with system integrators/implementers, what is working for you or not?

Information management - How do you hand over contract info? (construction to operations)

From what system to what system?

Should I keep my supply chain in house or outsource/offshore. Supply Chain talent challenges.

What tools are available to monitor and analyze multiple tier supplier risk.

What are early impacts of AI on SCM?

What data analytics solutions are available?

LNG Project Regulation Panel Session

PHMSA, FERC, TCEQ, Coast Guard – Hear from the other key regulators on the steps they are taking to prepare for increased project development as well as the latest on updated codes and regulations that may impact your project planning

FERC, PHMSA, EPA, USCG feedback on permitting process and potential pitfalls

How can acceptance/approval of non-material changes from FERC filing (pre-FEED) to FEED be streamlined?

Operations, Maintenance & Turnarounds Track



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Efficiency and Quality in CSU Scheduling

Keynote Project Leadership and Prerequisite Milestones

Alignment of Project Leadership for a Successful CSU: The critical role of project leadership in aligning CSU goals, ensuring quality, and controlling costs

Identification of Prerequisite Milestones: Defining key milestones that must be achieved before advancing to the next CSU phase

Case Studies: Real-world examples of projects that effectively balanced cost and quality in CSU scheduling, with a focus on leadership alignment

Session 1 - Achieving Cost-Quality Balance in CSU Scheduling

Finding the Right Balance: Strategies for determining the optimal equilibrium between cost and quality in Commissioning and Startup (CSU) scheduling

Investing in Lessons Learned: The value of incorporating lessons learned from previous projects to enhance CSU planning and execution

Continuity of Commissioning Activities: Best practices to ensure a seamless transition between CSU phases, reducing disruptions and delays

Identifying and nurturing the required skillsets for an efficient CSU

Session 2 - Cost-Quality Balance and Project Leadership in CSU

Best practices in achieving a balance between cost and quality in CSU scheduling

Insights into how investment in lessons learned, alignment of project leadership, and identification of prerequisite milestones contribute to successful CSU

Sharing industry experiences and lessons from experts who have navigated CSU scheduling with a focus on cost-quality balance

Planning for Operations: Incorporating Operations into the design

Session 3 - Early Integration of Operational Perspectives

Exploring the benefits of involving operational perspectives during the conceptual design, pre-FEED, and FEED phases

Highlighting real-world examples of how operational input improves project outcomes

Discussing the advantages of early collaboration between design and operations teams

Success stories of projects that integrated operational perspectives from the outset

Session 4 - Building Robust Readiness Plans and EPC Integration

Best practices for building robust readiness plans during the FEED phase.

Strategies for seamlessly integrating readiness plans into EPC contracts.

Identifying the final scope and deliverables that should be included in EPC contracts to ensure operational success.

Case studies on projects that successfully integrated readiness plans into their EPC contracts.

Session 5 - Leveraging Industry Expertise for Effective Integration

Defining the role of Operations Subject Matter Experts (SMEs) in LNG project phases

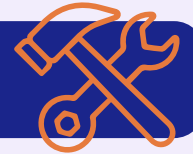
Discussing when to start including Operations SMEs for maximum impact on project planning

Panel discussion with industry experts and practitioners on leveraging industry expertise for enhanced project design

Exploring the dos and don'ts of incorporating operational perspectives

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Operations, Maintenance & Turnarounds Track



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Operational Excellence, Maintenance & Reliability

Session 6: Achieving Excellence

Minimizing Maintenance Disruptions: Strategies and best practices to reduce unplanned maintenance events and improve operational continuity

Increasing Reliability and Trains Availability: Insights into enhancing the reliability of LNG trains and maximizing their availability for uninterrupted operations

Training for Excellence: Developing effective training programs and mentorship to foster a culture of excellence in maintenance and reliability

Defining Efficient Methodologies for CMMS Deployment

Session 7 Maintenance Management Strategies

Developing Maintenance Management Philosophies: The importance of defining clear principles to guide maintenance practices

Enhancing Preventive Maintenance (PM) Plans and Procedures: Strategies, plans and procedures to proactively address equipment reliability and performance

Strategizing Regulatory Compliance: Navigating the complex landscape of regulatory compliance in the LNG industry

Panel 1- Best Practices in Operational Excellence

A discussion on best practices and industry insights for achieving operational excellence, enhancing maintenance and reliability, and ensuring regulatory compliance in LNG projects

Sharing real-world case studies and lessons learned from successful maintenance and reliability initiatives

Addressing challenges in maintaining a high level of operational excellence

Operations and maintenance coordination and collaboration for excellence

Flaring strategies and environmental considerations

Session 8 - Flaring Reduction Strategies

Technology and maintenance practices to reduce flaring

Exploring alternatives to traditional cooldown and flaring methodologies

Incorporating novel flaring strategies during the conceptual design phase

Industry case studies on successful flaring reduction and compliance initiatives

Session 9 - Environmental Responsibility

BOG management: Electric versus GT-driven LNG trains - Advantages, challenges, and industry trends

Complying with existing and future regulations for environmental responsibility in LNG projects

Effective decarbonization measures and strategies to reduce the carbon footprint

LDAR programs: Breaking the status quo and adopting innovative practices for emissions control and compliance

Turnarounds and Asset Readiness

Session 10 - Optimizing Turnarounds (TARs) in LNG Facilities

Defining the Critical Paths for TARs: Identifying key elements and stages for effective Turnarounds in LNG facilities

Designing LNG Trains with TARs Philosophy: Incorporating TARs considerations into the design phase

Resources Allocation for TARs: Dedicated Team or Pooling from Running Assets?

Session 11- Managing TAR Scope and Execution

Multi-train Facilities and TARs: Strategies and challenges in coordinating TARs for multi-train LNG facilities

TAR Scope Definition, Scheduling, and Execution Management: Best practices to optimize asset readiness

Case Studies: Real-world examples of successful TAR planning, execution, and lessons learned from LNG projects

Panel 2 - TAR Best Practices and Challenges

Best practices and challenges in managing Turnarounds and Asset Readiness in LNG facilities

Sharing insights into successful TAR execution, scope definition, and scheduling

Addressing the complexities and unique considerations of TARs in the LNG industry

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Operations, Maintenance & Turnarounds Track



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Commissioning and Startup: Overcoming the challenges

Session 12 - Developing Effective CSU Strategies

Defining versatile CSU strategies for LNG projects

Systemization and startup sequence

Division of responsibilities

Defining CSU scope during FEED to align with project goals

Modular versus Stick built: Adapting the CSU scope for different construction approaches

Managing CSU quality for modular LNG trains, ensuring a smooth transition from construction to operation

Session 13 - CSU Management and Operational Readiness (OR)

Understanding CSU Completion Workflows: Best practices for managing the various stages of CSU

Exploring the main CSU management frameworks and their application to LNG projects

Devising a robust OR plan during the FEED phase for effective CSU

Navigating compliance requirements related to CSU and OR in the LNG industry.

Panel 3 - Real-World CSU Challenges and Solutions

Case Studies: Learning from real-world CSU challenges and successes in LNG projects

Addressing unique CSU scenarios and finding practical solutions

Lessons Learned: Sharing insights on what worked and what didn't in CSU planning and execution

Industry Best Practices: Highlighting innovative approaches to streamline CSU processes and enhance LNG projects outcomes



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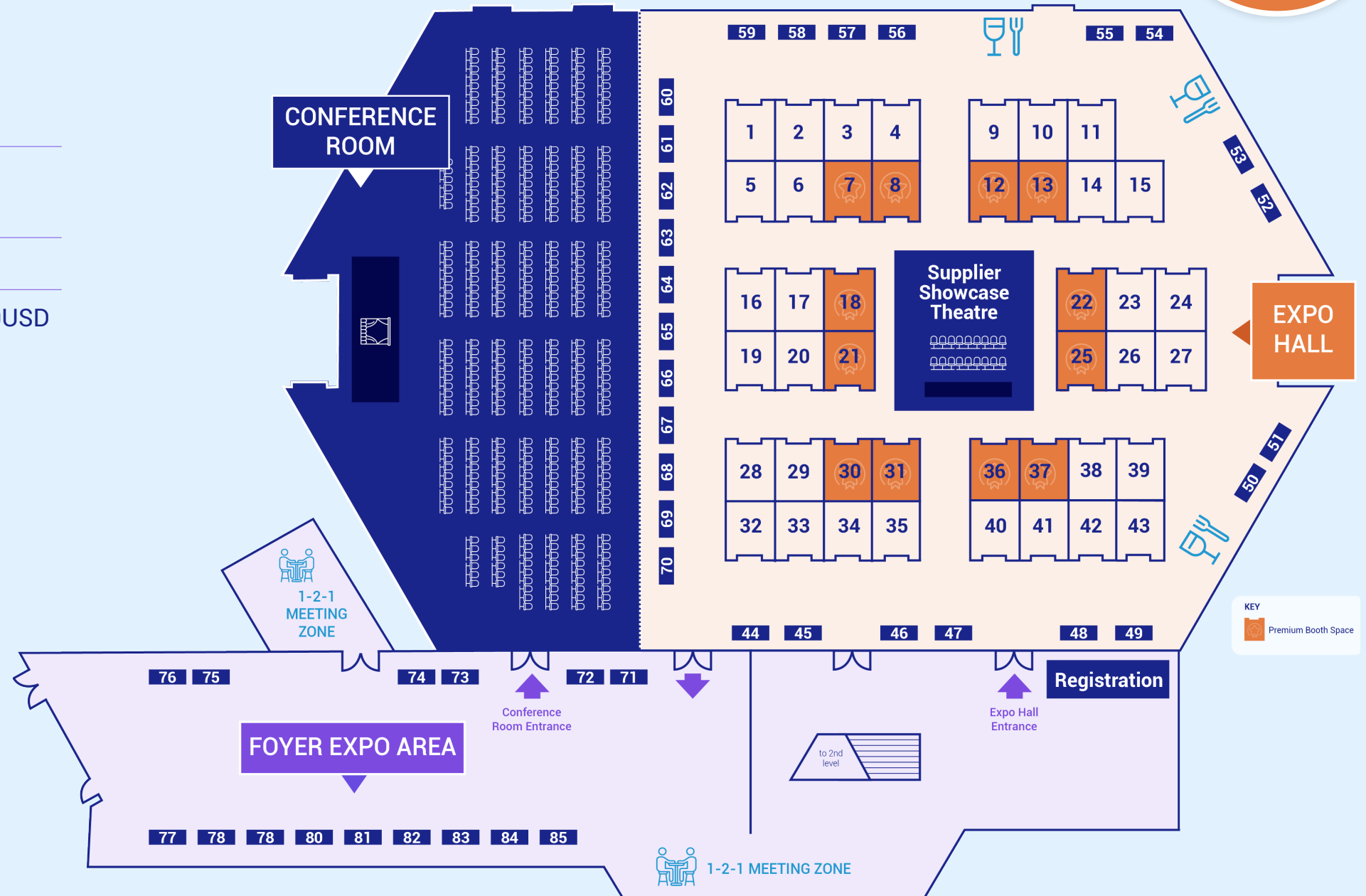
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For More Info Contact

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- Lunch, Snacks & Refreshments

- Networking Drinks Reception Access
- Welcome Drinks Reception Access
- Conference Slides Post Event

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Supporting the Development of the Next Generation of LNG Professionals



We're committed to supporting the next generation of LNG engineers and project / construction professionals. Each year a portion of the profits from the event are donated to local colleges and universities aimed at supporting scholarships for students focussed on careers in the LNG industry. This year we were proud to support the great teams at SOWELA, Nunez Community College, Lamar State College Port Arthur and McNeese University by donating \$14,000 between these institutions.

