STREAMLINE YOUR PROJECT WITH A MODULAR APPROACH

BOOSTING PRODUCTIVITY & MANAGING RISK ON YOUR NEXT DOWNSTREAM CONSTRUCTION PROJECT

TOP SPEAKERS INCLUDE:

Carlos Camera, Senior Advisor - Major Capital Projects, Chevron

Martin Champagne, Corporate Manager - Motiva Capital Projects, Shell

Ralf Bollaire, Head of Engineering, Executive Vice President, Linde AG

Kaan Akyalcin, CEO, INFRA Technology

Stephen Mulva, Director, Construction Industry Institute

Joseph Harris, Director - Construction, Fluor Construction & Fabrication

Rick Rashall, Group Head Construction, Covestro

Utpala Dubey, Project Services - Global Project Solutions, BP

NEW THINKING & PROVEN BEST PRACTICE ON:

- New thinking on project modularization: Go/No Go analysis. How to optimize engineering and design, project management, procurement as well as staffing and individual incentives for a successful modular strategy

- Analysis of cost, schedule, construction and start-up benefits: An detailed investigation into modular vs. stick build; highlighting the difference on cost, schedule, construction and start-up performance

- Implementing modular standardization: Discover how modules or submodules could be standardized to reduce project costs, speed delivery and improve safety performance. Do the benefits of standardization outweigh design choice limitations?

- Digital construction planning during Feasibility and FEED phases: Understand how 4D and 5D planning can be applied to modular construction to increase efficiencies in engineering, procurement and construction

- Off-shore modular fabricators: How to successfully select and manage an off-shore module fabricator for your next project

People that have already booked for 2016:

http://www.petchem-update.com/modular

PLATINUM SPONSORS

GOLD SPONSORS

CLEAN WATER SPONSOR

CHARGE STATION SPONSOR

SILVER SPONSOR

CO SPONSORS

KEY EVENT PARTNERS

MEDIA PARTNERS

REGISTER NOW AT CLICK HERE >>>
CONFIRMED ATTENDEES FOR 2016

Petrochemical Update has a proven track record of bringing together capital project decision makers from refining and chemical/petrochemical companies to share the latest thinking and new ways of working and to do business. Expect to meet Engineering and Construction Heads/Leads/Directors from global players to smaller regional players. Take a look at a sample of who’s registered already below.

People that have already booked for 2016 below – meet them in Houston:

<table>
<thead>
<tr>
<th>Attendee Name</th>
<th>Company/Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Manager, Formosa</td>
<td>Engineering Manager, FPCC &amp; C Division (Taiwan), Formosa Petrochemical</td>
</tr>
<tr>
<td>Director, Formosa Petrochemical</td>
<td></td>
</tr>
<tr>
<td>Badlands NGLs, LLC</td>
<td>Executive VP Projects &amp; Engineering, Badlands NGLs, LLC</td>
</tr>
<tr>
<td>精神病</td>
<td>Large Capital Project Manager, Flint Hills Resources</td>
</tr>
<tr>
<td>Lyondellbasell Chemical</td>
<td>Senior Manager, Capital Project Group, Lyondellbasell Chemical</td>
</tr>
<tr>
<td>Exxon Mobil</td>
<td>Cost Engineer, Exxon Mobil</td>
</tr>
<tr>
<td>Global Capital Efficiency Advisor</td>
<td>Global Capital Efficiency Advisor &amp; Project Development Division, Exxon Mobil</td>
</tr>
<tr>
<td>&amp; Project Development Division,</td>
<td></td>
</tr>
<tr>
<td>Exxon Mobil</td>
<td></td>
</tr>
<tr>
<td>Project Manager, Shell Oil</td>
<td>Procurement Specialist, Chevron Phillips Chemical Company</td>
</tr>
<tr>
<td>Lyondellbasell Chemical</td>
<td>Principal Project Engineer, Lyondellbasell Chemical</td>
</tr>
<tr>
<td>OXEA Corporation</td>
<td>Project Manager, Total</td>
</tr>
<tr>
<td>Braskem</td>
<td>Capital Project Execution Leader, Braskem</td>
</tr>
<tr>
<td>Dow Chemical</td>
<td>Team Lead Capital Projects - Conroe, TX, Huntsman Corporation</td>
</tr>
<tr>
<td>Module Construction Director, BASF</td>
<td></td>
</tr>
<tr>
<td>Procurement Specialist, Chevron</td>
<td></td>
</tr>
<tr>
<td>Phillips Chemical Company</td>
<td></td>
</tr>
<tr>
<td>Lyondellbasell Chemical</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
</tr>
<tr>
<td>SASOL</td>
<td></td>
</tr>
<tr>
<td>Ethylene XXI Construction Director</td>
<td></td>
</tr>
<tr>
<td>Technip</td>
<td></td>
</tr>
<tr>
<td>Odebrecht</td>
<td></td>
</tr>
<tr>
<td>Plant Manager, Formosa Petrochemical</td>
<td></td>
</tr>
<tr>
<td>Ethylene XXI Construction Director</td>
<td></td>
</tr>
<tr>
<td>Americas</td>
<td></td>
</tr>
<tr>
<td>Industrial Director, Braskem</td>
<td></td>
</tr>
<tr>
<td>MOTIVA</td>
<td></td>
</tr>
<tr>
<td>TESORO</td>
<td></td>
</tr>
<tr>
<td>Project Manager, TESORO</td>
<td></td>
</tr>
<tr>
<td>Holly Frontier</td>
<td></td>
</tr>
<tr>
<td>Manager, Capital Project Execution</td>
<td></td>
</tr>
<tr>
<td>Lyondellbasell Chemical</td>
<td></td>
</tr>
<tr>
<td>Motiva Enterprises LLC</td>
<td></td>
</tr>
<tr>
<td>BP</td>
<td></td>
</tr>
<tr>
<td>Major Projects Procurement Manager</td>
<td></td>
</tr>
<tr>
<td>BP</td>
<td></td>
</tr>
<tr>
<td>Technip</td>
<td></td>
</tr>
<tr>
<td>Odebrecht</td>
<td></td>
</tr>
<tr>
<td>Formosa Petrochemical</td>
<td></td>
</tr>
<tr>
<td>Formosa Petrochemical</td>
<td></td>
</tr>
<tr>
<td>Corporate Manager - Motiva Capital</td>
<td></td>
</tr>
<tr>
<td>Projects, Shell</td>
<td></td>
</tr>
</tbody>
</table>

This is your chance to meet the team studying the feasibility of a $9.4bn petrochemical complex in St. James Parish, Louisiana. Plus, teams from Lyondellbasell Chemical, OXEA Chemical, ExxonMobil, Dow Chemical, Phillips 66, Total Petrochemical & Refining and many more...

[Diagram showing regional breakdown with 85% in North America, 7% in Europe, and 8% in South America]

Visit www.petchem-update.com/modular for more information.
EPCs serving the downstream industries and owner companies across the United States have identified the shortage of skilled craft labor, as one of their top challenges to growth in the immediate future. Indeed, the labor shortage is so severe that some downstream projects could be delayed or even cancelled.

The problem is particularly acute on the US Gulf Coast, where the labor and construction markets are particularly heated. Aside from this major challenge facing projects, capital costs across the industry have been steadily rising over the last 15 years. There is also a major productivity challenge across the industry.

These compounded factors are prompting more and more downstream owners to carefully reconsider their construction methods – modularization or the conventional stick-built (onsite) approaches – on a case-by-case basis to save costs and meet budgets. Originally developed for the offshore oil & gas industry, modularization is now becoming more and more popular downstream. Indeed, the question currently isn’t ‘should we modularize?’, so much as ‘how much should we modularize?’

Since typical module yards’ manhour and overall costs would be substantially lower than stick built costs, modularization can reduce project CAPEX. Pre-fabricating plant modules off-site can also reduce schedule. In an IHS scenario for a hypothetical 250 KTA MTBE plant, IHS concludes that the CAPEX savings from modularization could be substantial, around 8%, as well as shortening the schedule by 6 months.

Apart from these key benefits, modular construction can also lead to improved quality control, production control, inventory control, labor control, improved work site climate control and even minimize construction waste.

At the same time, it poses additional pressure on contractors and owners, particularly around logistics, communication and quality management. The main challenges to effective modularization usually include getting executive buy-in very early in the project, additional up-front engineering costs & time, successfully designing for constructability, and changing the conventional stick-build “culture.”

Indeed, in many cases, it is not cost or schedule savings that are driving the decision to modularize. BASF, for example, utilizes modularization primarily as part of “a comprehensive risk-management strategy” to hedge against issues such as low capital efficiency or falling labor productivity.

The need to consider pre-assembly, modularization and fabrication as part of a project’s execution strategy is presently more common than ever on the U.S. Gulf Coast. Using high-value engineering centres abroad, especially in Asia, has become “absolutely crucial” to how Fluor and others deliver their projects.

Yet, modularization is not a universal solution for every downstream project. The business drivers and viability of modularization vis-à-vis stick-build construction will vary from project to project and will often boil down to a thorough assessment of the project’s volume, logistics and economics.

In planning for and executing downstream modular construction projects, companies that are building or planning to build new facilities need to focus on managing and identifying their business drivers and project risks, getting executive buy-in early, identifying their contractors and contracting strategies, as well as improving the coordination between the different project interfaces early in the project.

This year’s Downstream Modular Construction Conference & Exhibition (14-15 November, Houston) will give owners and contractors the ideas, support and solutions they need to overcome these challenges to realise the full potential of advanced modularization to improve project outcomes.

The conference itself will bring together 300+ industry experts, project managers, contractors and a multitude of project owner representatives to address the following key topics:

- **New thinking on project modularization**: Go/No Go analysis. How to optimize engineering and design, project management, procurement as well as staffing and individual incentives for a successful modular strategy
- **Analysis of cost, schedule, construction and start-up benefits**: A detailed investigation into modular vs. stick build; highlighting the difference on cost, schedule, construction and start-up performance
- **Implementing modular standardization**: Discover how modules or submodules could be standardized to reduce project costs, speed delivery and improve safety performance. Do the benefits of standardization outweigh design choice limitations?
- **Digital construction planning during Feasibility and FEED phases**: Understand how 4D and 5D planning can be applied to modular construction to increase efficiencies in engineering, procurement and construction
- **Off-shore modular fabricators**: How to successfully select and manage an off-shore module fabricator for your next project

If you are exploring modular construction strategies, this conference is THE place to visit this fall to get the insight, ideas and knowledge you and your team need to boost the success of your next modular project.

As well as a stellar agenda, attendees will also benefit from excellent networking opportunities both inside of the conference room and out – interactive discussions, lengthy refreshment breaks in the exhibition room, seated roundtable lunches, a pre-conference networking drinks reception, and a blow-out conference day 1 networking party with all 500+ attendees!

“We use it [Modularization] as a default on every project”

- Steve Troxell, Global Construction, Dow Chemical
DOZENS MORE SPEAKERS TO BE ANNOUNCED!

<table>
<thead>
<tr>
<th>Company</th>
<th>Name</th>
<th>Role</th>
<th>Company</th>
<th>Name</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chevron</td>
<td>Carlos Camera</td>
<td>Senior Advisor - Major Capital Projects</td>
<td>Hexion</td>
<td>Mark Turner</td>
<td>Senior Global Project Manager</td>
</tr>
<tr>
<td>Shell</td>
<td>Martin Champagne</td>
<td>Corporate Manager - Motiva Capital Projects</td>
<td>Richard Industrial Group</td>
<td>Dean Wenner</td>
<td>Executive Vice President</td>
</tr>
<tr>
<td>Shell Oil Company</td>
<td>Aamir Farid</td>
<td>Former Vice President of Manufacturing</td>
<td>Institute for Leadership in Capital Projects</td>
<td>Carol Warkoczewski</td>
<td>Founder, Chief Vision Officer &amp; Board Chair</td>
</tr>
<tr>
<td>Valero</td>
<td>James Kleiss</td>
<td>Director - USGC Supply Chain Optimization</td>
<td>Linde</td>
<td>Ralf Bellaire</td>
<td>Head of Engineering, Executive Vice President</td>
</tr>
<tr>
<td>Chevron</td>
<td>Kaan Akyalcin</td>
<td>CEO</td>
<td>INFRA Technology</td>
<td>Eduardo Lima de Rosendo Pinto</td>
<td>Project Director/JV CEO</td>
</tr>
<tr>
<td>ExxonMobil</td>
<td>Scott Lawn</td>
<td>Global Capital Efficiency Advisor &amp; Project Development Division</td>
<td>McKinsey &amp; Company</td>
<td>Erikhans Kok</td>
<td>Associate Principal</td>
</tr>
<tr>
<td>Hollyfrontier</td>
<td>Ed Winston</td>
<td>Principal Engineer</td>
<td>Linde AG</td>
<td>Robert Roest</td>
<td>Special Projects Account Manager</td>
</tr>
<tr>
<td>Hollyfrontier</td>
<td>Kane Hittle</td>
<td>VP &amp; Project Manager</td>
<td>Linde AG</td>
<td>Hans Ex</td>
<td>Manager Projects</td>
</tr>
<tr>
<td>Hollyfrontier</td>
<td>Toby Allin</td>
<td>Global Projects Division Director</td>
<td>Dockwise</td>
<td>Utpala Dubey</td>
<td>Project Services - Global Project Solutions</td>
</tr>
<tr>
<td>Phillips 66</td>
<td>Manny Walters</td>
<td>Global Contracts Manager</td>
<td>bp</td>
<td>Franklin</td>
<td>Project Services - Global Project Solutions</td>
</tr>
<tr>
<td>Lyondellbasell</td>
<td>Jeff Brock</td>
<td>Turnaround Engineering Manager</td>
<td>AP-Networks</td>
<td>Brett Schroeder</td>
<td>Managing Director</td>
</tr>
<tr>
<td>KBR</td>
<td>Michael Kluck</td>
<td>Program Director</td>
<td>Bentley</td>
<td>Dale Adcox</td>
<td>Senior Construction Consultant</td>
</tr>
<tr>
<td>FLUOR</td>
<td>Joseph Harris</td>
<td>Director - Construction</td>
<td>Wood Group Mustang</td>
<td>Vikas Moharir</td>
<td>Senior Vice President</td>
</tr>
<tr>
<td>Covestro</td>
<td>Rick Rashall</td>
<td>Group Head Construction</td>
<td>BASF</td>
<td>Suppiah ‘Chandra’ Chandrasekaran</td>
<td>Civil Engineer</td>
</tr>
<tr>
<td>Jacobs</td>
<td>Michael Van Swol</td>
<td>Vice President, Project Delivery</td>
<td>Trimble Solutions USA, Inc.</td>
<td>Stuart Broome</td>
<td>Business Manager - Engineering</td>
</tr>
<tr>
<td>Jacobs</td>
<td>Ralph D. Hanberry</td>
<td>Director of Projects</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

www.petchem-update.com/modular
TAILOR YOUR SOLUTION TO ADDRESS CORE CHALLENGES AFFECTING MAJOR OPERATORS AND CONTRACTORS IN CHARGE OF CAPITAL PROJECTS.

Who Will You Meet At DMC 2016?
The Downstream Modular Construction Conference & Exhibition is the only high-level networking event which provides you with a unique opportunity to showcase your products and solutions to a host of decision makers at major operators and contractors in charge of capital projects. A third of the audience are qualified owner representatives - the highest percentage of any major conference in the downstream segment.

There are key potential clients with real spending power. Grow your professional network and business at DMC 2016 by connecting with VPs, Senior Managers and Heads of:

- Small, Mid-Sized & Mega Projects
- Strategy and Corporate Development
- Plant-Based Project Management
- Procurement & Contracts
- Cost Controls
- Modular Construction
- Commissioning & Start-Ups

Expect to meet senior level decision makers from the following company types:

- Owner Companies 35%
- EPCs & Contractors 35%
- Consultants 5%
- Associations & Press 5%
- Vendors / Other 20%

TAILOR MADE SPONSORSHIP PACKAGES CAN INCLUDE:

- 1 to 1 meetings with key decision makers
- Take a speaking slot and address 300+ capital project decision makers or even 500+ industry leaders with a key note option (collocated with the Refining Engineering & Construction Conference)
- Show off your latest products in the exhibition hall
- Build your brand with exclusive promotional opportunities
- Host interactive workshops, networking sessions
- Secure high level branding of conference material

Contact us now as speaking slots, branding options, and exhibition places are strictly limited and are already over 50% sold out!

KEY SPONSORSHIP & EXHIBITION BENEFITS

BECOME A MARKET-LEADER: Use our platform to educate the Refining markets on your area of technical or business expertise. We will work with you to create a speaking opportunity to best represent your company and showcases your thought leadership to an audience of budget holders

STAND OUT FROM THE CROWD: We'll position your brand in front of 500+ key decision-makers from across the Refining value chain, including the major Refinery Owner Companies, Contractor Companies, and leading EPCs to increase your exposure and grow your market share

ENHANCE YOUR MARKETING CAMPAIGN: We will promote your brand through targeted marketing channels and get your company in front of over 100,000+ key industry executives for months before the conference

TOP-LEVEL ENDORSEMENTS FOR OUR INDUSTRY LEADING EVENTS

“It was the first time I had attended an event like this as I’d never seen the benefit to me. I had low expectation but am happy to eat my words. Relevant topics, fantastic sessions and an unrivaled list of industry names.” - Downstream Business Development Manager, Airswift

“As an industrial supplier I cannot stress enough the value of being able to conveniently learn about the state of the oil and gas industry from leading experts and executives in the field. Nowhere else have I been able to meet as many knowledgeable, warm and welcoming people in the oil and gas industry.” - Vice President, Sales & Operations, Pot O Gold Waste Services

“Wood Group Mustang benefitted greatly from being a sponsor of the Refining 2015 conference. Our presentation on successful project execution generated valuable interactions with owners, suppliers and constructors. The conference was well organized allowing numerous networking opportunities with influential decision-makers” - Senior Vice President, Wood Group Mustang

“Many of the topics and speakers were interesting. Good availability to meet the speakers following their presentations. Excellent time management throughout both days. Plenty of time available for good networking. Good venue and location for the conference. Look forward to seeing you again later this year at another Petchem Update conference.” Linde Engineering

www.petchem-update.com/modular
CONFERENCE DAY 1 - MONDAY, NOVEMBER 14TH

Opening Plenary Sessions

8:20 AM ORGANIZER’S WELCOME

INTRODUCTION TO CONFERENCE CHAIRMAN
Steve Cabano, Owner, Pathfinder LLC

8:30 AM North American Downstream Market & Construction Outlook PANEL
- Up-to-the-minute U.S. project updates spanning; mega, large and plant based smaller projects in the chemical, petrochemical, refining, LNG and gas processing sectors
- Hear how capital project spending today will impact the U.S. downstream markets tomorrow
- What important trends are we seeing in the wider global construction market, and how will this impact downstream projects in the U.S?
- Find out how you can make your project more competitive by understanding and responding to macro trends in markets, construction, technology, labor and projects
- Understand how a planned major overhaul of chemical regulations could boost domestic chemical manufacturers further

Moderator: TBC
Tony Salemme, Craft Labor Forecast Vice President, Industrial Info Resources
Dean Wenner, Executive Vice President & General Manager, Richard Industrial

9:15 AM Growth in the Eye of the Storm - Successfully Navigate Market Uncertainty & Identify Growth Opportunities PANEL
Striving for growth in volatile market conditions is not a foreign concept for the refining market. However, with the scope of the current industry downturn, significant reorganization, restructuring & CAPEX prioritization is the key to navigating the low oil price storm and pushing ahead of the competition. Hear from expert industry analysts and corporate level owner decision makers on how they are identifying and taking advantage of the biggest opportunities for growth in the current climate.
- Discover how owners are navigating the current market conditions and where they see the best opportunities for investment
- The expert panel will discuss strategies for effective project selection based on proven prioritization methods, labor availability and potential ROIC considerations

10:00 AM MORNING NETWORKING COFFEE BREAK

Downstream Modular Construction

11:00 AM Welcome to the Downstream Modular Construction Track
Steven Mulva, Director, Construction Industry Institute

11:15 AM Setting the Scene: Modularization for Downstream Projects in the U.S.
- What it is: Modularization entails the large-scale transfer of stick-built construction from the jobsite to local or distant fabrication shops and yards in order to gain strategic advantages
- What is driving this move: Discussion of definitions, key principles and the foundations of a modular construction strategy; underpinned by CII research
- What are the Benefits / Challenges - (CII research): Understand the state of modularization today, and how it is being employed in the downstream sector to minimise costs and speed up project schedules
- Project set up for Modularization: Understand some of the key factors and considerations when choosing a downstream construction strategy
- CII - next Steps: What is being planned to continue the Modularization Education that was initiated by PPMOF and more recently RS & IR-283: Industrial Modularization - Five Solution Elements
Michael Kluck, Sr. Project Manager - Engineering, KBR (CII Modularization Community of Practice (MCOP) co-chair)

11:45 AM Modularization & Productivity: How to Optimize; How to Maximize
- The productivity challenge across the industry has been compounded by the recent drop in energy prices, and continued uncertainty about their long term trajectory
- Understand the CII’s perspective on why, where and how a modular approach can be employed to improve productivity and manage costs
- Understand how owners and contractors can maximize modularization benefits
- Planning for Modularization has been recently promoted to a CII Best Practice. Gain an insight into the CII’s key findings and come away with a set of practical tools to assist you and your team to improve planning and execution of modular projects
Steven Mulva, Director, Construction Industry Institute

12:15 AM Audience Polling + Q&A
Michael Kluck, Sr. Project Manager - Engineering, KBR (CII Modularization Community of Practice (MCOP) co-chair)

12:30 AM LUNCH BREAK

2:00 PM Modelling for Modular Construction, Not for Drawings
- Constructability refers to ensuring in advance that a building or structure can be built efficiently, both in terms of time and money and this never more important than in modular construction.
- Building Information Modeling, when detailed and accurate enough, lets the industry achieve this with information-rich, as-built models and find possible problems before starting to work on site, using or wasting real materials.
- As-built models minimize costly surprises, opening way for more practical and profitable projects.
- This presentation will highlight how embracing new technology can help deliver modular projects on time and within budget.
Stuart Broome, Business Manager - Engineering, Trimble Solutions USA, Inc.

2:30 PM Owner Perspectives on Modularization: Assessing the Advantages and Risks
- The optimum split of modular and field construction efforts varies for each individual project based on factors such as local labor costs, scope, site specifics, transportation limitations and schedule, among others
- We ask the panel if making the modular approach the default approach is now the most appropriate strategy in today’s project environment
- What are the main considerations for using modularization from an owner’s perspective?

www.petchem-update.com/modular
How are Owner/Operators currently assessing the advantages and risks of a modular approach?

Moderator:
Rick Rashall, Group Head Construction, Covestro
Justin Shapiro, Senior Project Engineer, Tesoro
Utpala Dubey, Project Services - Global Project Solutions, BP

1. How are Owner/Operators currently assessing the advantages and risks of a modular approach?

2. Discover the latest strategies on how owners can improve capital-project management by instituting best-in-class project governance

3. Review of innovations and capabilities that have proven advantageous in achieving world-class project execution. Our experts will discuss:
- What makes for world-class project teams & world-class project leaders
- Best practices for developing a culture of project delivery excellence
- Effective utilization of project management tools, documentation and guidelines to ensure continual improvement
- Tips for reducing the number of disruptions and changes during planning and execution phases to keep your team, and your project, on track

4. Transportation Route: Discuss induced loads encountered during transportation (over land and water) and other load conditions that the modules are subjected to when handled by cranes transporters and jacking devices.

5. Weight control: Greater need to consider safety of personnel, close attention is made to load-out, transportation, lifting, and operating conditions. These decisions require accurate and timely weight and center-of-gravity data.

6. Land and water transport limitations. Modules should be large as possible to minimize the cost of handling, transportation and field labor...

7. Suppiah ‘Chandra’ Chandrasekaran, Civil Engineer, BASF

8. Learn how to streamline and accelerate project delivery by carefully controlling transportation and logistics

9. Review of innovations and capabilities for mega module land logistics, with case studies and lessons learned from key USGC projects

10. Hear about factors that will impact a logistics review including; available infrastructure, transportation costs, design envelope, shipping envelope, site crane requirements and weight restrictions

11. Understand how heavy haul companies can help you optimize modular construction on your next project

Toby Allin, Global Projects Division Director, ALE - Global Projects

Robert Roest, Special Projects Account Manager, Mammoet

Hans Ex, Manager Projects, Dockwise

4:15PM Afternoon Coffee Break

3:45 PM Module Handling and Transportation - Design Impact

Transportation Route: Discuss induced loads encountered during transportation (over land and water) and other load conditions that the modules are subjected to when handled by cranes transporters and jacking devices.

Weight control: Greater need to consider safety of personnel, close attention is made to load-out, transportation, lifting, and operating conditions. These decisions require accurate and timely weight and center-of-gravity data.

Land and water transport limitations. Modules should be large as possible to minimize the cost of handling, transportation and field labor...

Suppiah ‘Chandra’ Chandrasekaran, Civil Engineer, BASF

4:15PM How Transportation and Logistics Can Help Optimize Modular Construction

- Learn how to streamline and accelerate project delivery by carefully controlling transportation and logistics
- Review of innovations and capabilities for mega module land logistics, with case studies and lessons learned from key USGC projects
- Hear about factors that will impact a logistics review including; available infrastructure, transportation costs, design envelope, shipping envelope, site crane requirements and weight restrictions
- Understand how heavy haul companies can help you optimize modular construction on your next project

Toby Allin, Global Projects Division Director, ALE - Global Projects

Robert Roest, Special Projects Account Manager, Mammoet

Hans Ex, Manager Projects, Dockwise

10:00AM Project Execution Presentation - title to be confirmed

Paul Barshop, Director, IPA Capital Solutions, Independent Project Analysis

10:30 AM MORNING NETWORKING COFFEE BREAK

11:00AM Session TBC

11:45 AM How to Implement Best-in-Class Organizational Enablers & Project Governance - PANEL DISCUSSION

High-performing companies invest in team capabilities that promote project optimization and higher standards of project execution throughout the company. From the multitude of small-scale (<$50m) projects, to new ethylene crackers along the gulf coast - by implementing best-in-class, sustainable organizational enablers, project owners stand to boost project performance, and in turn, significantly improve overall return on invested capital (ROIC)

- Discover the latest strategies on how owners can improve capital-project management by instituting best-in-class project governance
- Our expert panel shows how leading project owners train and invest in world-class project- and portfolio-management experts to boost company-wide project standards
- Discover how to create centers of excellence to facilitate better outcomes, and how over time, the best practices, innovations and training programs can be rolled out across the whole company to boost performance
- Identify the organizational characteristics that lead to different governance approaches for projects

Moderator: TBC

Martin Champagne, Corporate Manager - Capital Projects Execution, Motiva Enterprises

Terry Albers, Executive Vice President, Operations, IAG

Dan Morlang, Vice President Capital Project Consulting, Asset Performance Networks, LLC

12:30 PM NETWORKING LUNCH BREAK

Downstream Modular Construction

2:00PM Modular Case Studies (UOP & Methanx)

Ralph Hanbury, Project Director, Jacobs

3:00PM Standardized Modular Design Case Study: INFRA Technology’s Modular GLT Plant

- INFRA Technology is launching its first commercial, innovative, modular Gas-to-Liquids 100 barrel-per-day plant near Houston, Texas.
- Hear how INFRA’s ‘over-the-road’ Modular Design results in lower construction, transportation and deployment costs
- Understand how INFRA Technology completed the full cycle of the construction process, from data collection and design to procurement of equipment, fabrication and assembly of modules and operational and verification testing

Kaan Akyalcin, CEO, INFRA Technology

3:30 PM END OF CONFERENCE
“I think they have the largest percentage of owner participants of any conference I have attended in the petrochemical industry.”
Industrial Info Resources

“Sincere congratulations on such a successful event! The Conference was well organized, both logistically and from a content perspective. There was plenty of networking opportunity as well.”
Chevron

“This event provided real insight into the challenges facing the USGC construction industry, provided by real participants in real projects. Provided excellent networking opportunities.”
Nexant

“Strong, well organized event, with a variety of people from all parts of the Petrochemical Industry. Great learning and networking experience.”
Pentair

“Very well put together event with tangible topics in addition to a great platform to network outside of tight and busy schedules.”
KBR

“This event was well organized and attended by very important and influential personnel from the petrochemical and refining industry. The event also provided a great opportunity for networking and to take the pulse of the industry.”
MAN Diesel & Turbo

“It’s great to have both sides participating. Owners, operators, consultants – huge diverse participation.”
Chevron
1. Select Your Registration Package

**PASS PRICES:**

With every pass ‘below’ you will receive a full 2-day pass to ALL 3 COLLOCATED EVENTS
- Refining Engineering & Construction 2016
- Downstream Modular Construction 2016
- Downstream Commissioning & Start-Up

<table>
<thead>
<tr>
<th></th>
<th>SUPER EARLY BIRD</th>
<th>EARLY BIRD</th>
<th>LAST CHANCE</th>
<th>FULL PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Pass</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cut off Aug 19</td>
<td>Cut off Sept 16</td>
<td>Cut off Oct 14</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$1795</td>
<td>$1895</td>
<td>$1995</td>
<td>$2095</td>
</tr>
<tr>
<td>Basic Pass</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Owner Subsidised Pass</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VIP Business Pass</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Cancellation Policy**

Places are transferable without any charge. Cancellations before October 14 2016 incur an administrative charge of 25%. If you cancel your registration after October 14 2016 we will be obliged to charge you the full fee. NB - you must notify FC Business Intelligence in writing of a cancellation, or we will be obliged to charge you the full fee. The organisers reserve the right to make changes to the programme without notice. All prices displayed are exclusive of VAT unless otherwise stated but, VAT will be charged, where applicable, at the prevailing rate on the invoice date and the relevant details will appear on the invoice. FC Business Intelligence takes every care to ensure that prices quoted are correct at time of publishing however, bookings will only be accepted if there is no material error in the price advertised on the website.

**4 EASY WAYS TO REGISTER**

- Email: theo@petchem-update.com with your full contact details
- International: +44 (0) 207 422 4320
- Freephone US: 1800 814 3459 ext 4320
- Fax back this form to +44 (0) 207 375 7172

Use the code ‘LASTCHANCE’ before Oct 28th

- CLICK HERE >>

With every pass ‘below’ you will receive a full 2-day pass to ALL 3 COLLOCATED EVENTS

- Refining Engineering & Construction 2016
- Downstream Modular Construction 2016
- Downstream Commissioning & Start-Up

**Business Pass**

- Access to the online e-networking tool in advance of the conference
- Audio recording and slides for all presentations
- Full access to lunch refreshments & additional networking throughout the conference

**Basic Pass**

- Access to the online e-networking tool in advance of the conference
- Access to the presentation slides post-event
- Full access to lunch refreshments & additional networking throughout the conference

**Owner Subsidised Pass**

- Approval process when you register to make sure you qualify for this pass
- Access to the online e-networking tool in advance of the conference
- Audio recording and slides for all presentations
- Full access to lunch refreshments & additional networking throughout the conference

**VIP Business Pass**

- Exclusive access to the VIP & Speaker Only Room for the full 2 days
- Access to the online e-networking tool in advance of the conference
- Audio recording and slides for all presentations
- Full access to lunch refreshments & additional networking throughout the conference

**CANCELLATION POLICY**

Places are transferable without any charge. Cancellations before October 14 2016 incur an administrative charge of 25%. If you cancel your registration after October 14 2016 we will be obliged to charge you the full fee. NB - you must notify FC Business Intelligence in writing of a cancellation, or we will be obliged to charge you the full fee. The organisers reserve the right to make changes to the programme without notice. All prices displayed are exclusive of VAT unless otherwise stated but, VAT will be charged, where applicable, at the prevailing rate on the invoice date and the relevant details will appear on the invoice. FC Business Intelligence takes every care to ensure that prices quoted are correct at time of publishing however, bookings will only be accepted if there is no material error in the price advertised on the website.

**CO-LOCATED WITH:**


**-save $250**

Use the code ‘LASTCHANCE’ before Oct 28th

**CLICK HERE >>**

With every pass ‘below’ you will receive a full 2-day pass to ALL 3 COLLOCATED EVENTS

- Refining Engineering & Construction 2016
- Downstream Modular Construction 2016
- Downstream Commissioning & Start-Up

---

**4 EASY WAYS TO REGISTER**

- Email: theo@petchem-update.com with your full contact details
- International: +44 (0) 207 422 4320
- Freephone US: 1800 814 3459 ext 4320
- Fax back this form to +44 (0) 207 375 7172

**www.petchem-update.com/modular**