Driving Efficiency, Effectiveness and Sustainability with Cutting-edge Strategies in Prefabrication & Modularisation

Main Conference: 25 - 26 November 2015
Location: Shanghai, China
Pre-Conference Workshops: 24 November 2015
Post-Conference Site Visit: 27 November 2015

EXPERT SPEAKER FACULTY INCLUDES:

Joshua Hunt
Director, Wanhua Modular Projects

Sam Wang
Managing Director, Petro-Offshore Engineering

Damien Fairlieur
Manufacturing Director, Off-site Modular Construction, Atlantic Modular Systems (AMS)

Wang Junfeng
Deputy Director of Engineering, Fluor

Zhang Hongjiang
Vice President, enCryo Engineering

www.prefabmodconstruction.com

2015 HIGHLIGHTS:

15+ experts from successful regional & local companies:

ADCO will present their pro-active approach of implementing an effective quality management system throughout the modular project’s life cycle

Bechtel will reveal the key aspects in addressing supplier quality surveillance, with specific case studies on how the quality assurance tactics were implemented

Kearns International will share their winning strategies for mitigating financial risk by conducting feasibility studies to identify cost saving opportunities for modular projects

Fluor will elaborate on accurately planning the modular projects through effective designing, scheduling, forecasting and creating contingency plans

PETRONAS will showcase their best practices and continuous improvement initiatives for modular projects, aiming to achieve and sustain asset integrity, and reduce operational risks

Plus, we’ve got 3 hands-on workshops to walk you through the ins and outs of modular construction!

Join our workshops to learn more about the basics of modular construction, risk mitigation, and best practices in cross-functional project management!

A site visit to the fabrication yard at Shanghai Matsuo Steel Structure!

Take a step ahead of the competition, let’s unlock the benefits of 3D Laser Scanning (3DLS)!
Dear Colleagues,

The prefabrication and modular construction market in China continues to rise, as China emerges as a global manufacturing hub. Large-scale projects in petro-chemical, oil & gas, mining & energy, and construction industries are looking at modularisation as a way of reducing project timelines, lowering costs and enhancing quality. Meanwhile, there’s an increasing need to refine methodologies throughout the project’s construction cycle.

This is why you can’t afford to miss the 6th Annual Prefabrication & Modular Construction China. Taking a holistic approach, we will gather the major stakeholders including asset owners, EPCs, fabricators and solution providers, and tackle the challenges in modular projects, including inefficiency, risk mitigation, quality surveillance, and transportation & logistics. Not only will you have first-hand opportunity to ascertain the expectations of the buying market, but also to benchmark the technical expertise and excellence to successfully drive a project to completion.

Throughout this jam-packed four-day program, we are proud to join hands with 15+ expert speakers from top-performing companies in the market. To maximize the learning outcome, the sessions will provide hands-on experience to engage attendees through interactive discussions, real-life case studies, in-depth workshops, site visits and networking sessions. This conference will better prepare you to address pressing concerns for now, and the emerging challenges for tomorrow!

I look forward to meeting you at the Conference in November.

Best Regards,

Gao Lulu
Conference Producer
IQPC Worldwide

"This event brings together many leading asset owners, EPCs, fabricators and vendors in discussing the challenges and best practice for modularization projects”

Wang Yingjun, General Manager, enCryo

"This is the first time for me to attend such a conference in China, and we got a clear picture on modularisation in China, which was really informative."

Hiroyuki Rokuta, Director, NYK, Hinode Line
“Modular construction is getting more popular as many companies in China have become more and more aware of quality improvement, and willingness to make their product better together with competitive pricing.”

Lee Dang, Managing Director, Modern Heavy Industry

“It’s good to have this kind of conference. Three major critical topics related to modular projects have been covered very well. Well done!”

Roberto Paglinawan, Vice President of Operations, Atlantic Gulf and Pacific Company of Manila
CONFERENCE DAY 1
Wednesday, 25 November 2015

0830 Registration and Welcome Coffee & Tea

0900 Welcome Address from the Chairperson

Mohamed Daoud, Manager (Projects Quality), Engineering & Major Projects, Abu Dhabi Company for Petroleum Oil Operations (ADCO)

ACHIEVING EFFICIENCY & SUSTAINABILITY
Using Modular Technology to Increase Rate of Construction, Cost Effectiveness and Reduce Environmental Impact

0910 Pro-active Approach to Implementing Effective Quality Management Systems throughout the Modular Project Life Cycle
• Utilising the value function along the modular structural design, fabrication and installation stages, to balance quality level, delivery and cost optimization
• Addressing the concerns for design consideration, integrity and assurance reviews
• Identifying the key areas in material specification and selection
• Opening early communication between on-site and end-of-line teams to ensure smooth integration of procedures

Mohamed Daoud, Manager (Projects Quality), Engineering & Major Projects, Abu Dhabi Company for Petroleum Oil Operations (ADCO)

0950 Accurately Planning your Project through Effective Scheduling
• Driving consensus across construction units to understand the project requirements from the outset
• Finalizing project and modular designs during the pre-planning stage to provide clear direction for the construction
• Forecasting pitfalls and creating contingency plans to avoid schedule delays

Wang Junfeng, Deputy Director of Engineering, Fluor

1030 Morning Refreshments & Networking Break

1100 Heavy lift, shift & ocean technologies to handle modules in module yards and on site – solutions “from factory to foundation”
• Latest market trends of vessels types that can be used for heavy module transports
• Alternative ocean transport & case study (e.g. floating jetty)
• Sharing our creative solutions in Oil & Gas, Mining and Mineral market sectors

Dirk Verwimp, Global Key Account Manager, Sarens Australia; General Manager, S&S JV

1140 Propelling the Green Building Movement: What’s in it for Modularization & Prefabrication
Given the pace and scale of urbanization, there are great needs in China to improve building efficiency while meeting energy and environmental targets.

1230 Lunch & Networking Break

1330 Standardisation Across Multiple Routes: Transportation, Logistics and Management
• Standardising the size of modules to alleviate complexities in routes of transportation
• Fixing set initiatives for teams to support project qualification and execution
• Enhancing scalability and productivity through standardization

Pankaj Shrikant Khedekar, Manager & Capability Leader, Larsen And Toubro

1410 Addressing the Importance of Supplier Quality Surveillance
• Taking a holistic perspective of quality assurance in relationship to modular construction
• Comparing a number of the regional quality assurance requirements around Asia
• Looking at specific projects and how quality assurance tactics were employed for the entirety of the project
• Specific case studies which highlight the necessity for thorough quality assurance protocol

Jayakumar Sirkunavelu, Construction Superintendent, Cryogenic Module Test Sector 3, Bechtel Corporation

1450 Afternoon Refreshments & Networking Break

1520 Prefab for the Future: Prospects for Companies Using Hybrid & Modular Technology
• Reaping the benefits of quality controlled duplicable manufacturing bases
• Optimising modular construction techniques to deliver sophisticated and complex facility types
• Leveraging base technology and experience: Lessons learnt from the automotive industry
• Achieving competitive edge: recognising the usage of prefabrication and modularization in hospitals, hospitality and education facilities

Mark Tanner, Principal, Greenarc International

1600 Investing in Contractor Development to Maximise the Capability of Your Modular Projects
In this interactive session, you will have the chance to compare notes with your peers at the table. At the end of the roundtable session, each table will present their key findings to the audience. Topics for discussion include:
• Analysing and reviewing contractors’ practice, development and capabilities, ensuring effective controls are in place
• Moving beyond procedures: realising contractors’ capabilities and supporting them with their deficiencies
• Driving early involvement with suppliers to better support the project construction

1640 Fueling Design Innovation for Modular Construction
• Identifying the constraints and barriers to design innovation for modular construction
• Developing new parametric and construction techniques to fuse design and innovation
• Making modular systems creative and inspiring, and thinking unconventionally to address a given brief

Jon Sealey, Global Design Director, Marques and Jordy Ltd and M&J London

1720 Chairperson’s Day One Closing Remarks
Mohamed Daoud, Manager (Projects Quality), Engineering & Major Projects, Abu Dhabi Company for Petroleum Oil Operations (ADCO)

1730 Close of Conference Day One

CONFERENCE DAY 2
Thursday, 26 November 2015

0830 Registration and Welcome Coffee & Tea

0900 Chairperson’s Opening Remarks & Recap of Day One
Mohamed Daoud, Manager (Projects Quality), Engineering & Major Projects, Abu Dhabi Company for Petroleum Oil Operations (ADCO)

0915 Unlocking the Benefits of 3D Laser Scanning (3DLS) to Enhance Efficiency and Mitigate Risks
• Analyzing how fabrication quality assurance (QA) and virtual module assembly can be undertaken utilising 3DLS data to save time and cost at the fabrication yard
• Investigating the keys areas where 3DLS can be integrated into design processes to improve efficiencies and manage risk
• Leveraging Mobile Laser Scanning (MLS), which can be used to manage the logistical risk of transporting pre-fabricated modules from yard to the site

Gaurang Joshipura, Managing Director, Zeppelin Systems

1000 Identification and Assessment of Risks & Opportunities in Modular Construction Projects
• Historical risk analysis leads to new opportunities in enhancing project quality
• Detailed study of how modular risks directs creativity and innovation for future improvement
• Managing and investing in relationships with key contractors as a pre-emptive measure to better cooperate in distribution, training, and capabilities development

Rob Steele, Managing Director, Steele Consulting

1040 Morning Refreshments & Networking Break

1110 Mitigating Financial Risk: Conducting Feasibility Studies and Identifying Cost Saving Opportunities for Modular Projects
• Carrying out feasibility studies to minimise the risk of increased project costs due to volatility in labor resources, weather, rates and productivity
• Implementing measurements of cost effectiveness and productivity as part of Front End Execution Planning (FEEP)
• Weighing construction investments, predictions and financial turn overs by analysing cost-effective modules, labour costs and time-scales

Andy Huang, General Manager, Kearns International
1150  Implementing Best Practices and Continuous Improvement in Modular Projects to Sustain Asset Integrity and Operational Excellence
- Increasing production capacity through operational excellence by tackling complexity and inefficiency
- Using Lean Six Sigma to sustain operational excellence
- Leveraging operational excellence tools to achieve and sustain asset reliability
- Mitigating fabrication and installation flaws to ensure structural integrity

Kaushik Mukherjee, Principal Engineer, Civil & Structural Integrity, Group Technical Solutions, PETRONAS

1230  Lunch and Networking Break

1330  Redefining Modular Construction in 2016: Takeaways for Achieving Greater Standardization, Better Utilization of Resources, and Higher Product Quality
- Weighing ROI against macro economy, i.e. smartly using oil price fluctuations to your advantage
- Highlighting the key metrics to calculate the ROI of modular versus stick for a given project
- Implementing modular standards & protocols to drive quality delivery
- Leveraging new technologies, such as 3-D and 4-D BIM (Building Implementation Modelling), to revolutionize modularization
- Strategizing ways to increase profitability with shorter production, reduced craft workers, and enhanced productivity

Panel Members:
Álvaro Ávila Ruiz, Project Engineer, ADEN Services
Peter Strzebiok, Principal, Nottoscale
Joshua Hunt, Director, Wanhua Modular Projects

1410  Winning Strategies for Smooth Integration of Modules On-Site & End of Line Construction
- Designing the project so that work structured for what is done on-site matches what has been manufactured in the factory
- Identifying whether the detailing developed is in collaboration with the design team, general contractor, fabricator and installer
- Re-examining plans according to the changing environment: revisiting project execution plans to align the work load of contractors, and maximise productivity throughout the construction cycle

Zhang Hongjiang, Vice President, enCryo Engineering

1450  Afternoon Refreshments & Networking Break

1520  Understanding Best Practice Project Management Systems for Effective Management of Complex Modular Construction Projects
In this case study session, market-leading modular manufacturer Wanhua will take an in depth look at their modular manufacturing process, and the utilization of technology, systematization and quality controls, to ensure that modular building projects are delivered at high international standards.

Joshua Hunt, Director, Wanhua Modular Projects

1600  Facilitating On-time Shipment of Modules with Effective Transportation Strategies
In this interactive session, you will have the chance to compare notes with your peers at the table. At the end of the roundtable session, each table will present their key findings to the audience.
- Identifying current challenges in the transportation system which hinders efficiency
- Analysing alternatives for the smooth transportation of prefabricated modules
- Ensuring availability of resources to facilitate timely shipment of modules overseas
- Exploring the feasibility for prefabrication to take place simultaneously at the facility and onsite to increase project efficiency

Discussion Leaders:
Rob Steele, Managing Director, Steele Consulting
Sam Wang, Managing Director, Petro-Offshore Engineering

1650  Conference Closing Remarks from the Chairperson
Mohamed Daoud, Manager (Projects Quality), Engineering & Major Projects, Abu Dhabi Company for Petroleum Oil Operations (ADCO)

1700  Close of Conference
Take the time to dive deep into challenges you're facing, brainstorm solutions, and discuss emerging trends with expert workshop leaders and your peers!

**101 Class: A Quick Guide to Prefabrication & Modular Construction**

When applying prefabrication & modular construction to large-scale projects, a number of key components should be taken into account, including time, knowledge, logistics, and expertise in modularization. Analysing the scope of your project, the challenges involved, and the resources available, should be considered before embarking on this journey. In this regard, our workshop will walk you through the A to Z of prefabrication & modular construction, and help you access the best strategies for your projects. The discussion will revolve around the following areas:

- Understanding the complex nature of modularization through feasibility study
- Analysing the benefits versus the risks of modularization techniques
- Implementing risk management strategies in modularization
- Understanding constructability considerations and their impact on overall project cost and implementation timeframes

Speaker: Pankaj Shrikant Khedekar, Manager & Capability Leader, Larsen And Toubro

Pankaj S. Khedekar has a Bachelor’s degree in Mechanical engineering, and Post graduate degree in Operations Management. He is currently working as Mechanical Discipline leader of Mechanical department of L&T IES. Throughout his nearly two decades’ hands-on experience in Plant design, Project Management, Pharmaceutical & CPG industries, Pankaj has executed a number of Green Field and Brown filed projects successfully.

**Mitigating Risk Exposure in Modular Construction Projects**

To some extent, uncertainties and risks are inevitable throughout the projects’ cycle, and are mainly associated with geological characteristics, economic and technological parameters. Meanwhile, the decision-making process can be prone to high risks due to large investments entailed. However, the risk can be mitigated by plugging the information gaps, and adding flexibility to the projects. Although no form of construction is best or least risky on all occasions, in many cases, the design expense, building construction, site improvements, and the projects’ opportunity costs all must be considered. With that in mind, our workshop is designed to help the attendees in the following aspects:

- Analyzing the types of risks from the perspectives of asset owners, contractors, fabricators, and transportation, respectively
- Highlighting the importance of pre-project planning: do different sized modules imply different levels of risks, and how is this assessed?
- Examining the communication channels between stakeholders, and how this has an impact on project capability
- Implementing early engagement with logistics between the home and destination offices to ensure on-time delivery

Speaker: Jayakumar Sirkunavelu, Construction Superintendent, Cryogenic Module Test Sector 3, Bechtel Corporation

Jayakumar has over 25 years’ of professional experience as a QAQC Manager, Project Manager and Construction Manager. His assignment has been mostly project-based and free lance type. He has managed to fill in positions in mid-stream of the project’s lifecycle and carry them through to completion and handover. His professional experience ranges from Integrated Steel Mill, Continuous Casting, Pipe Rolling Mill, Manufacturing, Shipbuilding & Ship Repair, Intelligent Building Automation, Plant Process Piping, Heavy Structural Steel Fabrication, Chemical, Oil & Gas, Pressure and Non-Pressure Parts. And his management scope includes production, operation, project management, quality assurance and consultancy of multi-national, multi-players & multi-disciplinary EPC, EPCC and EPCIC mega projects.

**Best Practices in Cross-Functional Project Management for Modular Construction**

Due to the fact that modular construction projects are usually of large scale, having multiple teams within engineering, construction, logistics and management would be commonplace. Similar to most projects with multiple teams, breakdowns in communication, effective planning, and information sharing can cause delays resulting in project creeps. Hence, effective inter-team collaboration is not alternative but imperative. In this context, our workshop will share in-depth knowledge and strategies with the aim of generating proactive and productive inter-team working. Topics to be discussed include:

- Formulating the project transportation and logistics requirements, including the scope, schedule and limitations
- Inter-team discussion: defining the expectations and realizations of the project to drive scheduling advancements
- Understanding the terms and conditions of contractors, and how to accommodate this into front-end execution planning
- Addressing the challenges of international shipping and using multiple logistics companies

Speaker: Mohamed Daoud, Manager (Projects Quality), Engineering & Major Projects, Abu Dhabi Company for Petroleum Operations (ADCO)

Mohamed has extensive experience (over 35 years) with oil & gas industry and quality certification companies in technical & management positions. He specializes in quality & integrity management, project management, value assurance, operational excellence, process safety, inspection classification and certifications of oil and gas equipment installations. Mohamed is certified TUV inspections of Hazards & Critical Equipment, and Lead Auditor for integrated QMS & ISO Certification. He is EFGM business Excellence Assessor and assigned as ADCO EFGM SKEA project manager, and has obtained SKEA Award (Gold Category 2012 & Diamond Category 2014). He is also the winner of the International IMC Golden Helm Excellence Award for Middle East 2014 (Oil & Gas Category for 2014).
Shanghai Matsuo Steel Structure

With registered capital of 9.5 million and investment of up to 12.8 million USD dollars, Shanghai Matsuo boasts a total space of 131,000 square meters, including workshop area of 46,000 square meters and storage yard of 55,000 square meters. The workshop capacity is 60,000MT per year. Shanghai Matsuo has been awarded certificates including AISC, CWB, EN1090, Qualification H by Japanese Association of Steel Structure and the certifications of ISO9001:2000. The major business covers petrochemical plant, power plant, mining industrial plant, metallurgic plant, bridge, and high-rise buildings. Shanghai Matsuo has built long-term relationship with clients worldwide including Shell, Exxon mobile, BHP Billiton, Rio Tinto, Alstom Power, Bechtel, FLUOR, Andritz, Nippon Steel, Kajima, and IHI etc.

The site visit will last 1.5 hours, including:
- Guided tour of the site’s operating premises
- Corporate presentation from the host
- Interactive Q & A session

Who is the site visit for?
- Asset Owners
- EPCs
- Solution Providers

Benefits of attending:
- Understanding the implementation of advanced fabrication methodologies in a real-life setting
- Gaining first-hand knowledge of how steel modules can be used in your projects to speed up delivery and save costs
- Exploring business opportunities: sharing your projects in the pipeline, discussing the requirements with the host-it will help you accomplish the tasks in a more efficient, and sustainable manner

There are limited places available for this site visit. Please register early to avoid disappointment. For any questions, feel free to reach us via enquiry@iqpc.com.sg or +65 6722 9388.

As the previous Conference Chair Person and Moderator, I witnessed the vibrant interactions between Asset Owners, EPCs, Fabricators and Vendors to come work together. YES, this event would provide the best platform, yet again, to discuss the application and best practices of modularization to deliver projects faster, cheaper and safer.”

Jayakumar Sirkunavelu, Construction Manager, Major Projects, JORD International
SPONSORSHIP OPPORTUNITIES

Are you seeking to meet Project Managers/ Design Engineers/ Quality Assurance Managers/ Logistic Directors who are striving to improve the efficiency & effectiveness of their modular projects? Are you looking to showcase your innovative offerings to senior stakeholders who are looking to implement changes? Are you ready play a part in shaping and redefining the prefabrication practices in China?

If yes, we are keen to hear from you.

Returning from the 2014 success, this year’s summit will host the meeting of 50+ leading practitioners in China. To drive cost savings and higher quality, they would like to hear solutions from within Materials & Equipment Providers, Heavy Lift & Logistic Providers, Engineering & Project Management Software Providers amongst others.

Why Sponsor?

- **Engage with your hottest prospects in China** with tailored business development arrangements: hand-pick invitations and pre-arrange meetings to ensure you meet the right prospect

- **Achieve thought leadership** by speaking at the conference, or exhibiting in this event: showcase your offerings/ services to impress your prospects

- **Maximize your exposure** by leveraging on our marketing resources, including digital platform, website, print ads and email communication to reach key players across Oil & Gas, Energy, Chemical and Construction sectors worldwide

- **Step ahead of other solution providers** by hosting a networking lunch/ reception to discuss business in a relaxed setting

Why Get Involved Early?

Because the earlier you book the more access you’ll get to our global marketing and branding campaign.

Early confirmation helps sponsors and exhibitors to optimize their spending and receive maximum ROI from our comprehensive marketing and branding campaign, including:

- **Email Marketing** - to our pre-researched and tightly selected decision makers

- **Telemarketing** - to publicize our events and our partners up to 3 months before the summit

- **Audience Development** - to ensure that your desired prospects receive targeted, specialized marketing initiatives.

- **Internet** - to be promoted earlier, given that our dedicated website receives traffic months in advance, and so should you.

All sponsorship packages are customized to fit your current needs. Our partnership team will work with you to identify the package that best suits your goals and objectives.

- **Thought Leadership**
  - Plenary Speaking Sessions
  - Panel Speaking Sessions

- **Networking**
  - Private Lunch/ Dinner
  - Cocktail Reception Host
  - Exclusive 1:1 Meeting Packages
  - Customized Booth Options

Sponsorship opportunities are limited, Contact us now at sponsorship@iqpc.com.sg or call +65 6722 9388 to discuss how we can tailor our sponsorship packages to achieve your business objectives.
BOOK AND PAY BEFORE 11th SEPTEMBER 2015 AND SAVE UP TO $1250 ON THE CONFERENCE PACKAGE!

CONFERENCE PACKAGES
ALL PRICES SHOWN ARE IN US DOLLARS

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• Early Bird Price: Payment BEFORE 11th SEPTEMBER 2015
• Standard Price: Payment AFTER 11th SEPTEMBER 2015

5,745 (SAVE 1250) 5,995 (SAVE 1000)

DELEGATES REGISTRATION DETAILS

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Surname:
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Approving Managers Name:
Email Address:
Delegates Signature:
Approving Managers Signature:
Date: DD / MM / YYYY
I agree to IQPC’s payment terms.

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Card Type: Visa MasterCard American Express
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Name Printed on the Card: Signature:
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PAYMENT TERMS

Registrations/orders received without immediate payment or credit card details will incur a processing fee of USD99 per delegate. Payment is due in full upon receipt of invoice. Full payment prior to the event is mandatory for attendance.

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