

## bauma CONEXPO INDIA Conference Program

### *DAY I*

#### *THEME*

### **Charting India's Infrastructure Growth Journey for Viksit Bharat**

#### *Inaugural Session*

Keynotes followed by Panel Discussion	Keynotes followed by Panel Discussion
<i>Policy support for the growth of the Indian construction industry</i>	<i>Aligning contractors' interests for efficient project delivery</i>
<p><b>DISCUSSION POINTS:</b></p> <ol style="list-style-type: none"> <li>1. Importance of timely policy measures to cash in on promising Indian market</li> <li>2. Making Indian construction industry world's favoured investment destination – Policy implementations encouraging foreign investment</li> <li>3. Regulatory activity to ensure creation of safety, quality &amp; environmental standards</li> <li>4. Rollout of schemes &amp; initiatives emphasizing affordable housing to urban &amp; rural households</li> <li>5. How policy imperatives encourage adoption of green building practices</li> <li>6. How establishment of rating systems provide EPCs with standards &amp; guidelines for constructing sustainable buildings</li> <li>7. Rollout of nationwide road infrastructure network – Growing construction industry a kilometer at a time</li> <li>8. Creation &amp; oversight of emission norms' standardization in construction equipment industry</li> </ol> <p><b>Thought Leadership Personae:</b></p> <ul style="list-style-type: none"> <li>• DPITT, MoC&amp;I representative</li> <li>• MoRTH representative</li> <li>• Min of Environment, Forest, &amp; Climate Change</li> <li>• Min of Housing &amp; Urban Affairs</li> <li>• NITI Aayog</li> <li>• CE manufacturer – promoter-level or equivalent</li> <li>• EPC – promoter-level or equivalent</li> <li>• Bureau of Indian Standards (BIS) leadership representative</li> <li>• World Green Building Council – leadership representative</li> </ul>	<p><b>DISCUSSION POINTS:</b></p> <ol style="list-style-type: none"> <li>1. Decoding contractor needs &amp; wants – Sourcing the right construction equipment machinery</li> <li>2. Understanding uniqueness &amp; specificity of all-terrain projects</li> <li>3. Role of virtual technology platforms</li> <li>4. Impact assessment of green fuels &amp; green financing in building for a sustainable future</li> <li>5. Prioritization of age-old issues like worker safety, health &amp; welfare onsite</li> <li>6. How manufacturer &amp; EPC collaboration helps build project efficiencies, manage costs, &amp; ensure adherence to delivery timelines</li> </ol> <p><b>Thought Leadership Personae:</b></p> <ul style="list-style-type: none"> <li>• Ministry of labour &amp; Employment representative</li> <li>• EPC – Promoter level (I)</li> <li>• EPC – Promoter level (II)</li> <li>• CE Manufacturer – Promoter level</li> <li>• Municipal Corporation &amp;/or ULB</li> <li>• PE/VC leader</li> <li>• Technology Solution Provider</li> <li>• Architect &amp;/or Engineer</li> </ul>
Keynotes followed by Panel Discussion	Keynotes followed by Panel Discussion
<i>Strategies to achieve India's \$1trillion potential</i>	<i>Power of digital technologies to transform construction</i>

<p style="text-align: center;"><i>in the construction market</i></p> <p><b>DISCUSSION POINTS:</b></p> <ol style="list-style-type: none"> <li>9. Role of Government in creating a competitive market &amp; bringing international best practices into the sector</li> <li>10. How India's commitment to a carbon neutral economy is opening new avenues for Government investment in infrastructure &amp; industrial projects</li> <li>11. Upgradation &amp; modernization of old-fashioned industry operations – How technology &amp; sustainability will better service a growing industry</li> <li>12. Importance of industry upgradation &amp; reinvention in attracting international players &amp; investors</li> <li>13. Role that a projected USD 47.8Bn (end-2031) Indian smart city market will play</li> </ol> <p><b>Thought Leadership Personas:</b></p> <ul style="list-style-type: none"> <li>• Internationally-renowned CE manufacturer</li> <li>• Indian CE manufacturer</li> <li>• Internationally-renowned EPC leader</li> <li>• Indian EPC leader</li> <li>• Technology Solution Provider</li> <li>• Ministry of Housing &amp; Urban Affairs</li> <li>• PE/VC leader</li> </ul>	<p style="text-align: center;"><i>operations</i></p> <p><b>DISCUSSION POINTS:</b></p> <ol style="list-style-type: none"> <li>1. How virtual construction is leading to a paradigm shift in the planning, design, construction, &amp; management of buildings &amp; infrastructure</li> <li>2. Role of advanced digital tools &amp; simulation techniques in streamlining processes, improving efficiency, &amp; enhancing collaboration among stakeholders</li> <li>3. How 3D modelling, virtual construction tools, &amp; simulations minimise errors, reduce rework, allow for improved cost estimations, resource allocation &amp; project scheduling</li> <li>4. How virtual construction techniques proactively prioritise employee welfare &amp; safety</li> <li>5. Importance of adherence to sustainable building practices in driving adoption of virtual construction technologies</li> <li>6. Role of digital transformation in adopting virtual collaboration tools for management of projects remotely &amp; compliance with business continuity measures</li> <li>7. How emphasis on real-time monitoring, data collection &amp; analysis through project lifecycle enables adoption of virtual construction platforms</li> </ol> <p><b>Thought leadership personas:</b></p> <ul style="list-style-type: none"> <li>• EPC leadership (2 options)</li> <li>• Tech Solution Provider (AI perspective)</li> <li>• Tech Solution Provider (IoT perspective)</li> <li>• Tech Solution Provider (AR/VR or related perspective)</li> <li>• Tech Solution Provider (3D Printing perspective)</li> <li>• Tech Solution Provider (Big Data &amp; Analytics perspective)</li> </ul>
<i>Networking Lunch</i>	
<p style="text-align: center;">Keynotes followed by Panel Discussion</p> <p style="text-align: center;"><i>Learning from the leaders: Green technologies for CE manufacturing</i></p> <p><b>DISCUSSION POINTS:</b></p> <ol style="list-style-type: none"> <li>1. Making sense of policy imperatives, social pressure, SDG compliance, &amp; lender interest in choosing battery-powered &amp; alternative fuel technologies in construction machinery industry</li> <li>2. Discussion on feasibility of CE battery-electric</li> </ol>	<p style="text-align: center;">Keynotes followed by Panel Discussion</p> <p style="text-align: center;"><i>How can EPC firms benefit from adopting green building methods?</i></p> <p><b>DISCUSSION POINTS:</b></p> <ol style="list-style-type: none"> <li>1. How consumer, regulator, investor, &amp; policymaker interest in environmental considerations is influencing construction &amp; design firms to go green</li> </ol>

<p>fleet</p> <ol style="list-style-type: none"> <li>3. Issues faced – Limitations in meeting high-energy requirements; Availability of charging infrastructure; and economic considerations</li> <li>4. Looking beyond electric – Hybrid, Hydrogen &amp; Biogas technologies</li> <li>5. Challenges of adopting hydrogen-combustion engine technology – Viable hydrogen distribution network &amp; efficient production of ‘green’ hydrogen</li> <li>6. Addressing regulatory constraints of auto industry to reduce dual burden of complexity &amp; cost on customer</li> </ol> <p><b>Thought Leadership Personas:</b></p> <ul style="list-style-type: none"> <li>• Min of Environment, Forest, &amp; Climate Change representative</li> <li>• CE manufacturer (I)</li> <li>• CE manufacturer (II)</li> <li>• EPC representative</li> <li>• Min of New &amp; Renewable Energy representative</li> <li>• Pollution Control Board or alternative equivalent leadership</li> <li>• EV manufacturer</li> </ul>	<ol style="list-style-type: none"> <li>2. Understanding role of lean construction processes in design &amp; construction of real estate &amp; urban infrastructure in new-age, tech-led, smart cities</li> <li>3. Collaborative role of architects, developers, engineers, urban planners, construction companies, &amp; utility providers in converting ideas to reality</li> <li>4. Importance of L&amp;D to retrofit legacy workforces with knowledge of new-age business processes &amp; strategies</li> <li>5. Promotion of energy efficient design techniques &amp; use of low-carbon construction materials</li> <li>6. Making sense of a USD 24.7Tn business opportunity in emerging markets</li> <li>7. Role of data-driven insights: Delivering AI-based analysis at pace with project rollout for informed decision making</li> <li>8. Global &amp; domestic Best Practices – Case studies of success from leading Indian &amp; international players</li> <li>9. Customer testimonials</li> </ol> <p><b>Thought Leadership Personas:</b></p> <ul style="list-style-type: none"> <li>• EPC leader (I)</li> <li>• EPC leader (II)</li> <li>• Pollution Control Board or alternative equivalent leadership</li> <li>• Urban Planner</li> <li>• Architect &amp;/or Engineer</li> <li>• Tech Solution Provider (AI &amp;/or Big Data &amp; Analytics leader)</li> </ul>
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**DAY II**

<p style="text-align: center;">Keynotes followed by Panel Discussion</p> <p style="text-align: center;"><i>Make in India for CE manufacturing: Roadmap to become globally competitive</i></p> <p><b>DISCUSSION POINTS:</b></p> <ol style="list-style-type: none"> <li>1. Role of Government in incentivizing indigenization efforts of OEMs &amp; supply chain players</li> <li>2. Need for installation of component manufacturing plants for Indian CE industry to secure supply chains, reduce international reliance, &amp; increase competitiveness</li> <li>3. Importance of platforms encouraging enhanced use of Industry 4.0 for digitalization &amp; automation of manufacturing processes</li> </ol>	<p style="text-align: center;">Keynotes followed by Panel Discussion</p> <p style="text-align: center;"><i>Debunking construction myths through lean methods and latest technologies</i></p> <p><b>DISCUSSION POINTS:</b></p> <ol style="list-style-type: none"> <li>1. How a new generation of Gen Z &amp; Millennial architects &amp; engineers are changing the construction paradigm</li> <li>2. Ensuring in-house L&amp;D to retrofit legacy workforces with knowledge of new-age business practices &amp; strategies</li> <li>3. Transferring Best Practices from Lean Manufacturing processes to project-based construction – Case Studies of success from other industries</li> <li>4. Understanding applicability of lean construction processes – Role in design &amp; construction of real estate &amp; urban infrastructure in new-age, tech-led, smart cities</li> </ol>
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<p>4. Requirement of policy interventions in addressing rising input costs to ease cost of doing business</p> <p>5. Securing construction supply chains – Managing supply &amp; demand risks during the lifecycle of a construction project to build resilient supply chains</p> <p>6. Glimpsing international manufacturer Best Practices</p> <p><b>Thought Leadership Personas:</b></p> <ul style="list-style-type: none"> <li>• Internationally-renowned CE manufacturer</li> <li>• Indian CE manufacturer</li> <li>• DPITT, MoC&amp;I representative</li> <li>• NITI Aayog leadership</li> <li>• Internally-renowned CE manufacturer</li> <li>• Tier I component supplier – leadership perspective</li> </ul>	<p>5. Prioritising a sustainable future with waste minimization &amp; carbon footprint abatement at its heart</p> <p>6. Customer testimonials – How lean construction lays down the template for understanding &amp; executing client asks</p> <p><b>Thought Leadership Personas:</b></p> <ul style="list-style-type: none"> <li>• Internationally-renowned EPC leader</li> <li>• Indian EPC leader</li> <li>• Customer testimonial (I)</li> <li>• Alt Industry Lean Manufacturing Case Study (I)</li> <li>• Alt Industry Lean Manufacturing Case Study (II)</li> <li>• Construction Industry Development Council leader</li> <li>• New-Age, Tech led, Engineer &amp;/or Architect</li> </ul>
<p>Keynotes followed by Panel Discussion</p> <p><i>Road to Net Zero: Role of green financing in India’s construction industry</i></p> <p><b>DISCUSSION POINTS:</b></p> <ol style="list-style-type: none"> <li>1. Green financing – Central pillar of India’s climate action strategy</li> <li>2. Why green finance – From lower opex &amp; insurance savings to higher resale value, long-term investment returns, &amp; liability mitigation</li> <li>3. Importance of building an aptitude of financial resilience in the construction sector in an age of increasing climate events &amp; regulatory changes</li> <li>4. Government as an enabler – Creating a conducive environment for businesses, financial institutions, &amp; investors to engage in green finance</li> <li>5. Aligning with evolving regulatory landscape – How green finance creates a pathway for industry to adapt to regulatory changes</li> <li>6. Emphasizing energy efficient design &amp; construction to support India’s carbon reduction strategy &amp; further the cause of climate change reduction</li> <li>7. Emphasis on driving capital towards projects promoting sustainable urbanization to build resilient cities that can withstand climate change</li> </ol> <p><b>Thought Leadership Personas:</b></p> <ul style="list-style-type: none"> <li>• CE manufacturer</li> <li>• Min of Environment, Forest, &amp; Climate Change representative</li> <li>• Internationally-renowned investor</li> <li>• BFSI or Indian PE/VC leader</li> <li>• Architect &amp; Engineer</li> <li>• Indian Green Building Council leader</li> </ul>	<p>Keynotes followed by Panel Discussion</p> <p><i>How will M-Sand change the way India thinks about construction?</i></p> <p><b>DISCUSSION POINTS:</b></p> <ol style="list-style-type: none"> <li>1. How controlled sand manufacturing is building efficiency, sustainability, &amp; eco-friendliness in construction industry</li> <li>2. Role of sustainable mining practices in sustaining environmental quality</li> <li>3. Building cost effectiveness through M-Sand manufacturing</li> <li>4. Ensuring year-round availability vis-à-vis seasonal dredging of riverbeds</li> <li>5. Solving the sand mafia crisis</li> <li>6. Aiding Government implementation of sand mining governance – How M-Sand manufacturing will be a game changer in regulation enforcement</li> </ol> <p><b>Thought Leadership Personas:</b></p> <ul style="list-style-type: none"> <li>• Ministry of Environment, Forest, &amp; Climate Change representative</li> <li>• EPC leadership</li> <li>• M-Sand Manufacturer</li> <li>• Pollution Control Board representative</li> <li>• River Water User Association leader perspective</li> <li>• Inland Waterways Authority of India leader perspective</li> <li>• Regional Environment Impact Assessment Authority representative</li> </ul>

*Networking Lunch*

Keynotes followed by Panel Discussion

*Skill development for the construction industry – Bridging gaps & gauging future demand*

**DISCUSSION POINTS:**

1. Assessing & responding to changing demand of competencies in construction industry
2. Impact assessment of technology adoption, mechanisation & automation in construction industry
3. Understanding the prototypical construction sector worker – Role of onsite training, skills certification, and Learning & Development
4. Role of industry as key driver for bolstering skilling program in India
5. Need of policy interventions – Worker training activities, employee welfare programs, gradings & placements – in professionalising construction sector
6. Learnings & successes in skill-set upgradation of companies

**Thought Leadership Personas:**

- EPC leader (I)
- EPC leader (II)
- Min of Labour & Employment representative
- Construction Skill Development Council of India / NSDC representative
- Tech Solution Provider
- Construction Industry Development Council leader
- Building Materials & Tech Promotion Council leader

1515 hrs onwards

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