



A VIRTUAL CONFERENCE

BRIDGE CONSTRUCTION IN ASIA

Emerging Trends, Key Challenges, New Techniques & Upcoming Opportunities

June 23-24, 2021

Hosted by:



**SOUTHEAST ASIA
INFRASTRUCTURE**

Sponsors so far*:



*Lead and Co-sponsorship slots are available

MISSION

Over the years, the development of bridges across Asia has evolved significantly, in terms of size, scope and complexity. Bridges are now being constructed using state-of-the-art techniques and automation solutions.

China has been a leader in bridge development, setting multiple world records. Some of its technical breakthroughs include the Hong Kong-Zhuhai-Macao Bridge, the Shanghai-Nantong Yangtze River Bridge and the Pingtan Strait Road-Rail Bridge. India too has commissioned a number of noteworthy projects such as the Bogibeel Bridge in Assam, the Signature Bridge in Delhi and the Bandra-Worli Sea Link in Maharashtra. The country is also ready to commission the world's highest railway bridge over the Chenab river in Jammu and Kashmir.

Southeast Asian countries are actively taking up bridge projects. Brunei last year inaugurated the Temburong Bridge, the longest bridge in Southeast Asia. Indonesia is also evaluating the plan to construct the IDR 8.78 trillion Batam-Bintan Bridge. Vietnam is contemplating to implement the \$227 million New Can Gio bridge project in Ho Chi Minh City and various other bridge projects in Hanoi. Thailand has completed the design work for the 16 km fifth Lao-Thai friendship bridge, being implemented at an investment of THB 3.93 billion. The Philippines has accorded approval to the 32 km Bataan-Cavite interlink bridge project and in Myanmar, construction work is in progress on the \$168 million Korea-Myanmar friendship bridge (Dala bridge) project.

Sophistication in equipment has been witnessed across the segment. Higher capacity equipment with better safety features are being developed. Further, there has been an increase in the working heights of equipment due to high-rise constructions.

Construction techniques have evolved to facilitate building in congested landscapes, reduce overall construction schedules and improve long-term service life of structures. There has been an increasing use of pre-constructed, pre-fabricated and pre-engineered products in the bridge construction process. This has led to a reduction in execution time and an increase in the quality of the bridges constructed. Japan has extensively used the pre-stressed concrete technology for bridge construction.

Moreover, there is growing emphasis on bridge information modelling (BriM), and virtual design and construction.

The future of bridge construction across Asian economies is bright and promising. The segment is expected to offer huge opportunities, given the robust pipeline of bridge projects across India, China and Southeast Asia.

The mission of this virtual conference is to understand the emerging trends and developments, discuss the opportunities and challenges, and highlight the latest construction techniques and best practices in the bridge construction market in Asia. The conference will also highlight the latest technologies in bridge design, engineering and construction as well as showcase noteworthy projects.

www.indiainfrastructure.com

TARGET AUDIENCE

The conference is targeted at top and middle-level managers from:

- Construction companies
- EPC contractors
- Design and engineering firms
- Consultants
- Road and highways developers
- Rail and Mass transit agencies
- Equipment providers
- Operations and maintenance companies
- Cement and steel manufacturers
- Other construction material providers
- Technology providers
- GIS and BIM solution providers
- Investors and financiers
- Multilateral organisations
- Certification and inspection agencies
- Etc.

ABOUT THE ORGANISER

The conference is being organised by India Infrastructure Publishing, the leading provider of information on the infrastructure sectors through magazines, newsletters, reports and conferences. The company publishes Indian Infrastructure and the Roads and Bridges Directory. It also publishes over two dozen reports and eight weekly newsletters in the areas of power, oil and gas, ports and shipping, roads and bridges, airports, urban infrastructure, telecom and railways. These reports include Bridges, Flyovers and Elevated MRTS Structures; Road Development in India; Construction in India; Urban Rail in India and Railways in India.

Tentative Agenda

Live session	Topics
KEY TRENDS, DEVELOPMENTS AND OUTLOOK	- What are the key trends and developments in the bridge construction market? - What are the key challenges? - What are the new and emerging opportunities? - What is the future outlook?
COUNTRY PLANS AND PERSPECTIVE	- What are the emerging needs and requirements with respect to bridge construction? - What are the biggest upcoming bridge projects and opportunities? - What are the new techniques and technologies being used for bridge construction? - What are the key issues and challenges?
CONTRACTORS' PERSPECTIVE: EXPERIENCE, CHALLENGES AND " KEY LEARNINGS	- What has been the experience of contractors in bridge construction? - What are the biggest issues and challenges? How are they being addressed? - What are the best practices being adopted? - What specific steps are being taken to fast-track construction work post Covid-19?
SEGMENT FOCUS: CURRENT PRACTICES, EXPERIENCE AND UPCOMING PROJECTS	- SEA BRIDGES - ROAD BRIDGES - ROAD-RAIL BRIDGES - URBAN FLYOVERS AND ELEVATED ROADS - What has been the construction experience? What techniques/methods are being deployed currently? - What are the new trends and advancements being explored? - What are some of the noteworthy projects? What are the key lessons learnt from their experience? - What are the key upcoming projects?
DESIGN, ENGINEERING AND PROJECT MANAGEMENT	- What are the current design and engineering practices being followed? - What are the technological advancements and innovations in this field? - What are some of the best practices and noteworthy projects? What lessons can be drawn from these?
SUSTAINABLE BRIDGE CONSTRUCTION: FOCUS ON NEW MATERIALS	- What are the new and emerging material requirements for bridge construction? - What are some of the noteworthy initiatives in this space? - What have been the associated cost savings?
FOCUS ON BRIDGE CONSTRUCTION METHODS	
Precast, Balanced Cantilever, Segmental Construction, Incremental Launching Technique, etc.	- What has been the experience with various techniques for bridge construction? - What are the emerging trends and advancements in this field? - What are the key issues and challenges? What is the future outlook?
ROLE OF TECHNOLOGY (BrIM and virtual reality, integrated PMS, bridge management systems, etc.)	- What are the emerging technology solutions for the design, development and maintenance of bridges?? - What are some of the successful use cases for these technology solutions? - What are the benefits delivered?
BRIDGE REPAIR & REHABILITATION	- What are the innovative solutions for bridge repair and restoration? - What is the role of IT in bridge rehabilitation and asset management? - What are the new innovations and advancements for bridge maintenance and safety?
SMART SAFETY SOLUTIONS FOR BRIDGES	- What have been the recent IT solutions deployed for ensuring safety in bridge construction, operations and maintenance? - What are the new innovations and advancements in the field of safety? - What are some of the best practices? What were the challenges faced and the steps taken to overcome them?
CORROSION ASSET MANAGEMENT IN BRIDGE STRUCTURES	- What are the corrosion asset management strategies followed across Asia? What has been the experience so far? - What are the limitations and operational challenges of these technologies? - What are some of the best practices in minimising corrosion with effective design?

PREVIOUS PARTICIPANTS

Some of the organisations that have attended our related conferences include: Aarvee Associates, ABB Power Products & Systems, AECOM, Afcons Infrastructure, AGS Transact Technologies, AIMIL, Allied Telesis Asia Pacific, Alstom India & South Asia, Amara Raja Power Systems, Amberg Engineering, Ambuja Cement, AMRL HITECH City, Applus India, Arvind Techno Engineers, A'sara Consultants, Ashoka Buildcon, Asian Infrastructure Investment Bank, Asis Elektronik, Atkins, Atlas Copco, ATMASTCO, Autodesk, Avantech Engineering, Ayesa, Azad Jain & Associates, B.G. Shirke Construction Technology, Backbone Enterprises, Border Roads Organisation, Bridge & Roof, Ceinsys Tech, CH2M HILL India, Cleanflo India, CLSA, Core Fab Projects CRRI, COWI India, Dedicated Freight Corridor Corporation of India, Deevin Group, Deioners Speciality Chemicals, Delta Electronics, Desai Construction, Dextra Group, DuPont, DYWIDAG India, E Cube Consultant, Egis India consultancy, Essar Steel, Fedders Lloyd Corporation, Feedback Ventures, FLSmidth, Freyssinet-Menard India, Gammon Infrastructure, GC-EMBYE, Gemini Power Hydraulics, GMR, Godrej & Boyce, GR Infraprojects, Grasim Industries, HCC, Hilti India, Hindustan Construction Company, Hitachi ABB Power Grids, Hitachi Zosen, Holtec Consulting, HUDCO, ICT, IDBI, IDFC, IIBE, IIFCL, IL&FS Transportation Networks, Indiana Gratings, Intercontinental Consultants & Technocrats, International Geosynthetics Society, IRCON International, Isolux Corsan, ITD Cementation, ITNL, Jacobs, JAFEC USA Inc., Jindal Steel and Power, JK Lakshmi Cement, JMC Projects, JSW Steel, K&J Projects, KEC International, KMC Constructions, KNR Constructions, KPMG India, KSIDC, L&T Construction, Laviosa India, Lea Associates, Leica Geosystems, Liebherr India, Louis Berger, McNally Bharat, Mega Metro Engineering, Mhi Doha metro project, Ministry of Railways, Mott MacDonald, MSV International, Mumbai International Airport, MYK Arment, National Council for Cement & Building Materials, National Highways Authority of India, NAUE, Navayuga Engineering Corporation, NCCBM, Nippion Koei, Omax Autos, Oriental Consultants, Outokumpu, Owens Corning India, Padeco, Patel Engineering, Pioneer Fabricators, Prakash Asphaltings & Toll Highways, PwC, Rahee Infratech, Rail Vikas Nigam, Ramboll India, Ramky Infrastructure, Reinforced Earth India, RITES, Rodic Consultants, Royal Infraconstru, SAI Consulting Engineers, SEW Infrastructure, SI KA TEC GmbH, Sicame, Siemens, Sinclair Knight Merz, SMEC International, SNC LAVALIN, South Central Railway, SP Singla Constructions, SREI, Stirling Lloyd, Strata Geo Systems, Strata Geosystems, Sunil Chemical Industries, Supreme Infrastructure, SVBTC, Systra MVA consulting, Tandon Consultants, Tania Constructions, Tata BlueScope Steel, Tata Consulting Engineers, Tata Projects, Tata Steel, Tata Structura, TechFab, Tensa India Engineering, Texmaco Rail & Engg., Thales, Titagarh wagons, Tractebel Engineering, Transys Consulting, TRIL, Trimble Solutions, Ultratech Cement, Uniquist Infra, Universal Engineers, URC Constructions, Valecha Engineering, Valka Care & Services Infrastructure, Voyants solutions, Wabtec, etc.

For further information, contact: **Priyanka Rawat**

Email: priyanka.rawat@southeastasiainfra.com, Mobile: +91-85870 65590

DELEGATE FEE

	Standard price
1 Logins	USD 250
2-3 Logins	USD 400
4-5 Logins	USD 550
6-9 Logins	USD 700
10-20 Logins	USD 850

REGISTRATION FORM

☐ I would like to register for the conference

☐ Please send me more information

NAME/DESIGNATION _____ COMPANY _____

MAILING ADDRESS _____

PHONE _____ MOBILE _____

FAX _____ EMAIL _____

PAYMENT OPTIONS

1. To make payments by credit card, please send an email on priyanka.rawat@southeastasiainfra.com

All credit card payments will be subject to standard credit card charges

2. Wire Transfer:

Beneficiary: India Infrastructure Publishing Private Limited
Bank Name: The Hongkong and Shanghai Banking Corporation Ltd
Bank Address: R-47, Greater Kailash – 1, New Delhi - 110048
Bank Account No: 094179587002
Swift Code: HSBCINBB

TERMS AND CONDITIONS

Payment Policy

- Full payment must be received prior to the conference.

Cancellations

- Cancellations received in writing **30 days** before the date of the conference will receive a full refund, minus a service charge/administration fee of USD 30.
- Substitutions/name changes are welcome at no extra charge. Please send these in writing at least two days prior to the conference.
- Powerline shall assume no liability whatsoever in case the event is postponed or cancelled due to a fortuitous event or unforeseen occurrence that renders the performance of this conference impracticable, illegal or impossible. For purpose of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergency. India Infrastructure's responsibility is limited to return of the registration fee only and is not liable for any cost in relation to travel and accommodation.
- Please note that it may become necessary for reasons beyond the control of the organisers to make alterations to the content and timing of the programme or speakers.

CONTACT US

For sponsorship and speaking opportunities:

Priyanka Rawat, Conference Cell
Email: priyanka.rawat@southeastasiainfra.com
Mobile: +91-85870 65590

For delegate registrations, contact:

Malika Piya, Conference Cell
Email: malika.piya@southeastasiainfra.com
Mobile: +91-89379 80597

To register, email us to: priyanka.rawat@southeastasiainfra.com
or visit us at www.indiainfrastructure.com