ISSUE 12
DECEMBER 2025

ASPAC NEWS

QUARTERLY NEWSLETTER OF FIDIC ASIA PACIFIC

CONTENTS

FROM THE EDITORIAL DESK

This is the inaugural issue of ASPAC News by the newly formed Publication Committee. The previous Committee left a legacy of publishing ASPAC News of excellent quality. It is now incumbent upon us to maintain the standard and strive for further refinement of the newsletter. However, the success of a publication like this largely depends on the cooperation and contributions from all our MAs.

Presently, our planet, and especially its inhabitants, are facing an existential challenge created by the misuse/ overuse of natural resources, the emission of greenhouse gases, a huge carbon footprint, and environmental pollution. The phenomena of global warming and climate change are wreaking havoc on human society.

Although some of the changes are irreversible, we can still prevent them from worsening further and recover to the extent possible. The consulting engineers have the onerous duty not only to join in this initiative but also should take up the leadership role towards making all developments and future operations sustainable. Working towards achieving the Sustainable Development Goals set by the United Nations is a stark necessity. Let us hope that we shall not fail the society.

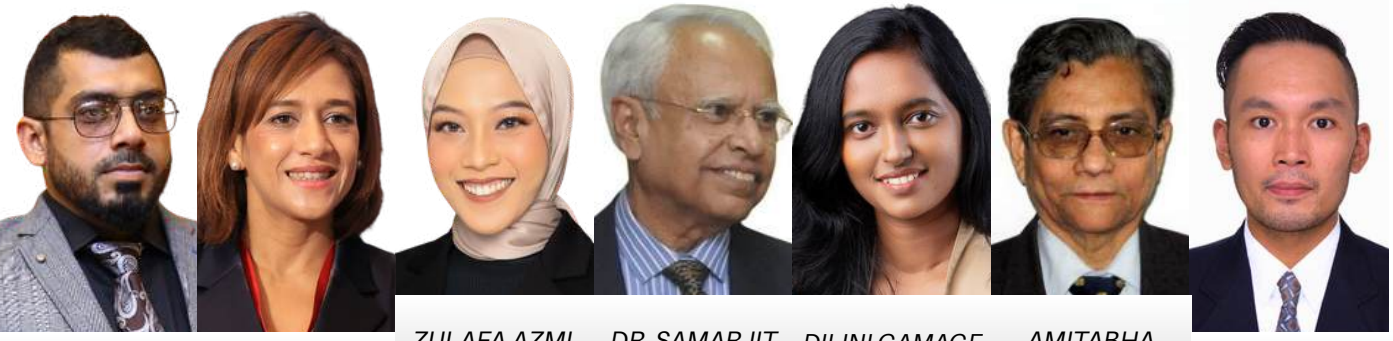
With this in mind, we shall try to spread awareness of this challenge and suggest ways to mitigate the challenge through our future issues.

The year is approaching its end with the beginning of a new year. Let us hope that the new year will bring fresh wisdom in all of us, and we all work towards long term happiness and well being of all. I wish all our readers a very happy, healthy and purposeful 2026, on my behalf and on behalf of the Editorial Board.

With my best regards.

Dr. Samarjit Chatterjee

Chairperson



PRESIDENT'S MESSAGE

Dear Members,

It is my distinct honor to address you as the new President of FIDIC Asia Pacific , following the highly successful FAP Annual Conference in Bali, Indonesia, in August 2025. Our focus is clear: to strengthen member engagement and build regional capacity.

Key Board Actions and Leadership

I want to acknowledge the new FAP Board Members for the 2025-2028 term. Our recent Board Meeting on October 8, 2025, established vital committees and confirmed key leadership roles to drive our work:

- Events Committee: Chaired by Director Wasif Nazar Siddiqui.
- Communications Committee: Chaired by Director Haru Koichiro.
- Professional Development Committee: The first draft of TOR was prepared by Director Gagan Anand and Chair will be nominated in the next Board Meeting.
- Newsletter Editorial Chair: We are pleased to welcome Dr. S. Chatterjee.

Look Ahead

We have a robust schedule planned for the region:

- Training Programme: FAP Training on new technologies starting in May 2026.
- Webinars: Two FAP Webinars are scheduled for March 2026 and August 2026.
- FAP Conference: Planning is underway for the Conference in November 2026 in Colombo, Sri Lanka, hosted by ACESL.

I encourage your active participation and collaboration in these initiatives. Your involvement is essential to our success.

Thank you for your continuous support.

Warm regards,

Dr. Widhoon Chiamchittrong
President, FIDIC Asia Pacific

WIDHOON CHIAMCHITTRONG

President
FIDIC Asia Pacific
Email: president@fidicaspac.org

A PROUD MOMENT FOR ASIA PACIFIC

FIDIC Asia Pacific is delighted to celebrate a historic milestone for our region. At the FIDIC Global Infrastructure Conference 2025 in Cape Town, Mr. Kiran Kapila, Chairman of Intercontinental Consultants and Technocrats Pvt. Ltd. (ICT), received the **Louis Prangey Award**—FIDIC's highest individual honour.

In the award's 113-year history, he becomes only the 20th recipient and the first Asian to receive this distinction. This recognition, presented during a conference aligned with South Africa's G20 theme of "Solidarity, Equality, and Sustainable Development," highlights Mr. Kapila's outstanding contributions to infrastructure development, road safety, and professional excellence.

This achievement reflects the growing influence of Asia Pacific in the global consulting engineering community. It also inspires our region to continue advancing sustainable, resilient, and high-quality infrastructure for the world.

ER.KIRAN KAPILA RECEIVES FIDIC'S HIGHEST HONOUR

CONGRATULATIONS !

TO THE NEWLY ELECTED FIDIC BOARD MEMBER FROM THE ASIA PACIFIC REGION

We congratulate Ir. Enni Moeliati Soetanto has been elected as a FIDIC Board Member for the term 2025–2029 at the FIDIC Global Infrastructure Conference held in Cape Town, South Africa.

Enni holds qualifications in Civil Engineering, Management, and International Construction Law, with over 40 years of extensive experience in project planning, design, construction management, and contract advisory services for major infrastructure projects.

She currently serves as Senior Advisor at PT Mott MacDonald Indonesia and PT Marga Graha Penta, following her leadership as Managing Director of PT Mott MacDonald Indonesia from 2007 to 2020. During her tenure, she contributed to transformative national projects including the Jakarta MRT and LRT systems, major toll roads, PPP initiatives, and other key developments.

Within FIDIC, Enni serves as Chair of the Membership Committee and has contributed to the development and translation of several FIDIC contract documents, including the Green Book 2021, and the 2017 editions of the White, Red, Yellow, and Silver Books. She has been an active speaker at FIDIC Global Infrastructure Conferences from 2022 to 2024.

Enni also plays a significant role in the advancement of construction law and dispute resolution in Indonesia. She is Vice President of the Society of Construction Law Indonesia (SCLI), a Fellow of the Institution of Dispute Board for Construction, and a Member of the Dispute Resolution Board Foundation (DRBF). She contributes as a consultant in dispute resolution and lectures at Pekalongan University, supporting the country's first Master's programme in Construction Law.

ENNI SOETANTO

Board Member
International Federation of Consulting Engineers (FIDIC)

FIDIC ASIA PACIFIC
ANNUAL CONFERENCE 2026

15.16.17 NOVEMBER 2026

CINNAMON GRAND HOTEL
COLOMBO,SRI LANKA

***STAY TUNED FOR MORE INFORMATION**

SYNOPSIS: FIDIC ASIA PACIFIC CONFERENCE 2025 - BALI, INDONESIA

ZULAFA AZMI AUNUN NOOR
Business Development and Research Officer | PT BITA Enarcon Engineering, Indonesia
The National Association of Indonesian Consultants (INKINDO)

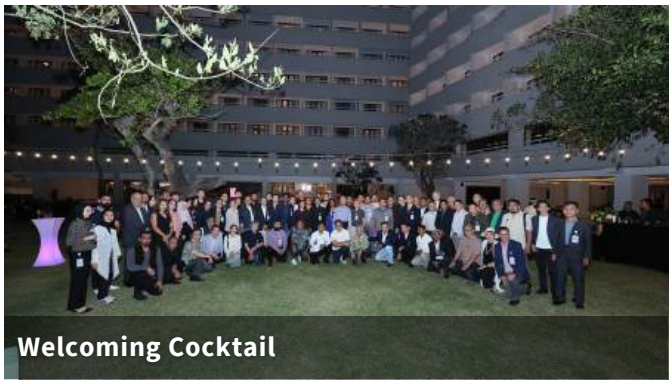
The FIDIC Asia Pacific Annual Conference 2025 took place from **August 18 to 20, 2025, in Bali, Indonesia.** It was organized by **the National Association of Indonesian Consultants (INKINDO)** and endorsed by **FIDIC.** More than 250 delegates attended the sessions to discuss new technologies transforming the engineering and construction industry.

Held under the theme **"New Technologies Transforming the Engineering and Construction Industry"**, the conference explored the cutting-edge innovations that were reshaping the engineering consultancy sector, with a special focus on how these advancements could drive efficiency, sustainability, and resilience. In a world increasingly impacted by technological disruptions, climate change, and the challenges posed by the recent pandemic, the engineering and construction industry was seen to be evolving rapidly to remain competitive and responsible. With the rise of Artificial Intelligence (AI), Machine Learning (ML), and other digital tools, companies were presented with unprecedented opportunities to enhance collaboration, improve operational efficiency, and reduce environmental impact. As one of Asia-Pacific's fastest growing economies, Indonesia was uniquely positioned to lead the charge in these transformative shifts, bringing together industry leaders, innovators, and policymakers to foster the adoption of new technologies and practices.

The conference addressed various issues revolving around regional collaboration, such as collaborative and remote work technologies; automation and robotics for data collection, construction, operations, and maintenance; and the integration of Building Information Modelling (BIM) and advanced simulations for sustainability. Discussions also explored the many AI/ML technology advancements, while putting emphasis on their governance, ensuring these advancements were applied responsibly within the industry. As Indonesia continued to strengthen its economy and infrastructure, this event served as a vital platform for sharing insights, driving dialogue, building regional collaboration, and shaping the future of the engineering and construction sectors across the Asia-Pacific region.

Key Highlights

The event commenced with participant registration, followed by a welcoming cocktail featuring food and beverages, also networking opportunities. The conference, held at Meru Sanur Hotel, Bali, Indonesia, kicked off its first day with the Inaugural Ceremony. The program began with an opening by the Master of Ceremony, followed by the singing of the Indonesian National Anthem (Indonesia Raya) and a traditional Balinese Janger dance performance.



Welcoming Cocktail

Opening Dance –
Janger Dance (Bali's Traditional Dance)

This was followed by a series of welcome addresses and keynote speeches:

- Welcome Address by Mr. Afiansyah Harahap, OC Chairman
- Speech by Mr. Erie Heryadi, INKINDO Chairman
- Speech by Mr. Sudhir Dhawan, FIDIC Asia Pacific President

Welcome Address from OC Chairman –
Mr. Afiansyah Harahap

Speech from Chairman of INKINDO –
Mr. Erie Heryadi

Speech from FIDIC Asia Pacific President –
Mr. Sudhir Dhawan

- Recorded Video Welcome Address by Ms. Catherine Karakatsanis, FIDIC President
- Welcome Address by Mr. Prashant Kapila, FIDIC Board Member, representing Ms. Catherine Karakatsanis, FIDIC President
- Keynote Speech by Mr. Nazib Faizal, Deputy Coordinating Minister for Equitable Regional Development, Agrarian Affairs, and Spatial Planning, representing Mr. Agus Harimurti Yudhoyono, Coordinating Minister for Infrastructure and Regional Development
- Keynote Speech by Mr. Peter Frans, Vice Chairman for Consulting Services and Studies on Downstreaming, Investment, Industry, and Environment of KADIN INDONESIA (Indonesian Chamber of Commerce and Industry), representing Mr. Anindya Novyan Bakrie, Chairman of KADIN INDONESIA

Recorded Video Welcome Address from FIDIC President – Ms. Catherine Karakatsanis


Welcome Address on behalf of FIDIC President – Mr. Prashant Kapila

Keynote Speech – Mr. Nazib Faizal


Keynote Speech on behalf of KADIN Chairman – Mr. Peter Frans

Following the opening ceremony, the FIDIC Asia Pacific (FAP) Annual Awards 2025 were held online with strong participation (14 project entries and 7 emerging leader applications). Independent juries, chaired by Mr. Yoshi Yamashita (Japan) for infrastructure and Ms. Meiti Kramadibrata (Indonesia) for emerging leaders, selected the winners. The awards were presented by Mr. Prashant Kapila, Mr. Sudhir Dhawan, and Mr. Erie Heryadi.

Award Highlights

- Envoy of Excellence: Mr. Zulkifli Halim & Mr. Irawan B. Koesoemo (Indonesia)
- Emerging Leader: Ms. Harshita Jain (India)
- Editorial Award: Mr. Amitabha Ghoshal (India)
- Powerhouse Award: MA associations from Nepal, Korea, and Pakistan
- Outstanding Infrastructure Projects: Companies from Japan, Pakistan, China, and India for major transit, healthcare, energy, telecom, and road projects

Awards Ceremony

The main conference program comprised six thematic sessions, combining keynote presentations, technical papers, and panel discussions.

SESSION 1
Investment Opportunity, Indonesia's Infrastructure Readiness to Achieve the Targeted Annual Economic Growth, Indonesia Land of Opportunities
Key Speakers:

- Mr. Agus Sulaeman – Director for Financing System and Strategy Development, Directorate General of Public Works Infrastructure Financing, Ministry of Public Works
- Mr. Abdul Malik Sadat Idris – Deputy for Infrastructure, Ministry of National Development Planning (PPN) / National Development Planning Agency (BAPPENAS)

Moderator:

- Mr. Erie Heryadi

SESSION 2
Artificial Intelligence (AI) and Construction Management
Speakers:

- Mr. An Chao (China)
- Mr. Bibek Singh (Nepal)
- Mr. Ajay Pradhan (India)

Moderator:

- Mr. Widhoon Chiamchittrong

SESSION 3
Sustainable Engineering Approaches
Speakers:

- Mr. Rajeev Supekar (Japan)
- Mr. Chong Chew Fan (Malaysia)
- Mr. P. Dhammika (Sri Lanka)

Moderator:

- Ms. Meiti Kramadibrata

SESSION 4
Young Professionals Summit
Speakers:

- Ms. Wenting Yang (China)
- Ms. Zulafa Azmi (Indonesia)
- Mr. Shekhar Nath Chapagain (Nepal)
- Mr. Sheheryar Shafique (Pakistan)

Moderator:

- Mr. Abdul Haseeb Mansuri

SESSION 5
BIM and Advanced Design Practices
Speakers:

- Mr. Hiroki Shibuya (Japan)
- Mr. Edgardo P. Kasilag (Philippines)
- Ms. Wenting Yang (China)
- Ms. Sekar Mawar Oktavina (Indonesia)

Moderator:

- Mr. Eko Bagus Delianto

SESSION 6
Collaborative Technologies and Regional Collaboration
Speakers:

- Mr. Chungwon Seo (South Korea)
- Ms. Mandakini Karki (Nepal)
- Mr. Yuheng Deng (China)
- Mr. Arvinder Singh Brara (India)

Moderator:

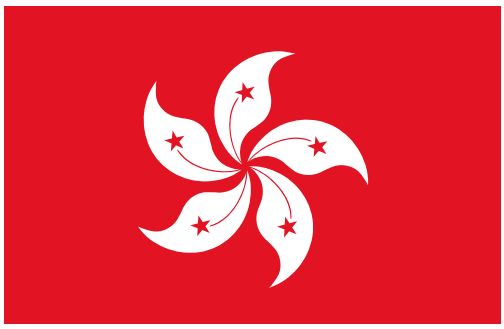
- Ms. Enni Moeliati Soetanto

These sessions were complemented by the FIDIC Asia Pacific Assembly General Meeting, the FACE Assembly General Meeting, and the Gala Dinner at Taman Bhagawan. The program also featured the showcasing of the FIDIC Asia Pacific 2026 Conference – Sri Lanka, presented by Mr. K.L.S. Sahabandu, President of the Association of Consulting Engineers, Sri Lanka (ACESL), and concluded with the closing session. The closing session included a Symbolic Book Handover to representatives from 13 countries, a gift presentation from the Associacao dos Consultores de Engenharia e Arquitectura de Timor Leste (ACEATIL), a conference summary by Mr. Eko Bagus Delianto, the Vote of Thanks and Closing Remarks by Mr. Zulkifli Halim, an appreciation for Mr. Sudhir Dhawan (President of FIDIC Asia Pacific), and ended with group photos.

Gala Dinner at Taman Bhagawan


FAP General Assembly Meeting

GET TO KNOW MEMBER ASSOCIATIONS OF FIDIC ASIA PACIFIC



CHINA, HONG KONG

The Association of Consulting Engineers of Hong Kong
香港顧問工程師協會

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ABOUT ACEHK

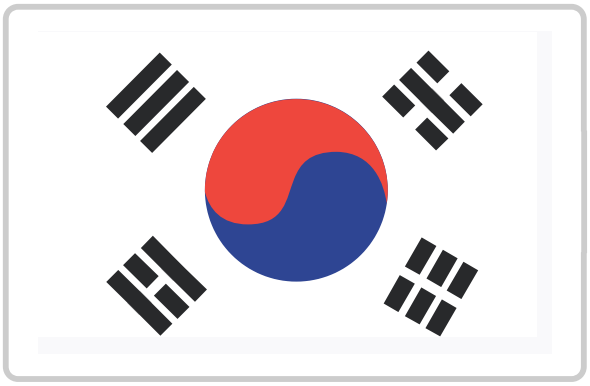
The Association of Consulting Engineers of Hong Kong (ACEHK) is a non profit making association representing the consulting engineering profession in Hong Kong. As an industry group, the Association seeks to set and maintain standards of professional conduct and ethics of consulting engineers, promote the advancement of the profession of consulting engineering and uphold the professional interests, rights, powers and privileges of consulting engineers. ACEHK places high importance on the business interests of its members and assist authorities, developers, bankers, funding agencies and others requiring engineering services to select consulting engineers. The Association is a member association of the International Federation of Consulting Engineers (FIDIC).

ACEHK is directed by a Council of elected representatives of its members, no member being allowed more than one representative at any time. The Council elects its Chairman, Vice Chairman and Officers, Hon Secretary and Hon Treasurer, each year and normally meets monthly.

ACEHK represents the industry on various external committees, principally the Government Works Bureaux and Works Departments, such as, Development Bureau, Housing Authority, Architectural Services Department, Buildings Department, Civil Engineering and Development Department, Electrical and Mechanical Services Department and Highways Department.

THE COUNCIL

CHAIRMAN Ir Francis YAU	**VICE CHAIRMAN** Ir Ole WONG	**HONORARY SECRETARY** Ir Chris LEE
HONORARY TREASURER Ir Dickson LAW	**IMMEDIATE PAST CHAIRMAN** Ir Stephen LAI	**COUNCIL MEMBER** Ir Simon NG
COUNCIL MEMBER Ir Eric LAU	**COUNCIL MEMBER** Ir Jason WONG	**COUNCIL MEMBER** Ir David C H CHANG
COUNCIL MEMBER Ms Claudine LEE	**COUNCIL MEMBER** Ir Francis SOOTOO	**COUNCIL MEMBER** Ir Kelvin CHENG
COUNCIL MEMBER Ir Eric LO	**COUNCIL MEMBER** Ir Victor CHEUNG	**COUNCIL MEMBER** Ir Simon LAU



SOUTH KOREA

KOREA ENGINEERING & CONSULTING ASSOCIATION

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Manager : Na Young, SONG | Tel: +82-2-3019-3200 | Email: sny@kenca.or.kr
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Website: (Main) http://www.kenca.org/ | (Bookstore) https://www.kencabook.org/

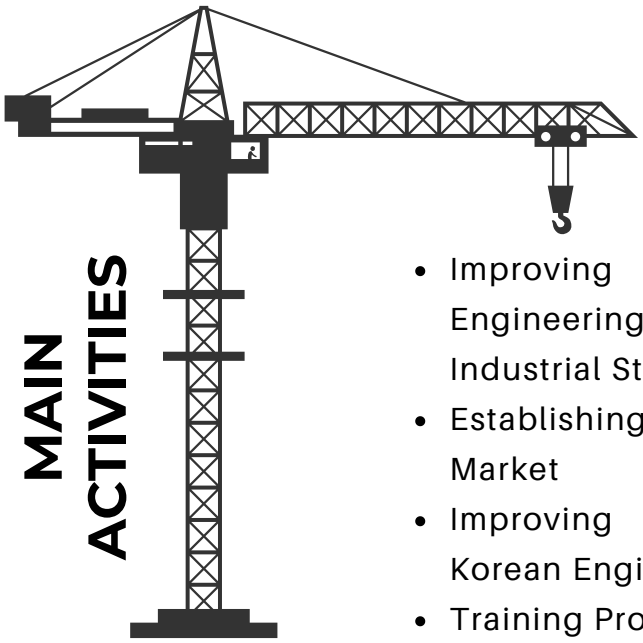
KENCA is a nonprofit association of engineering firms established under the Engineering Industry Promotion Act. KENCA has continuously supported its member firms and has played a key role in the development of Korea's engineering industry. KENCA helps enhance engineering capabilities by protecting the rights and interests of the industry, maintaining professional standards, and promoting collaboration among its member firms. Additionally, KENCA influences government policies and industry advancements through the analysis of the ever-changing local and global environment.

CEO/President	Hae Kyoung, Lee
Vice President	Jae Heyg, Shin
Established in	1974
Number of Employees	70+
Number of Member firms	6000+

MISSION

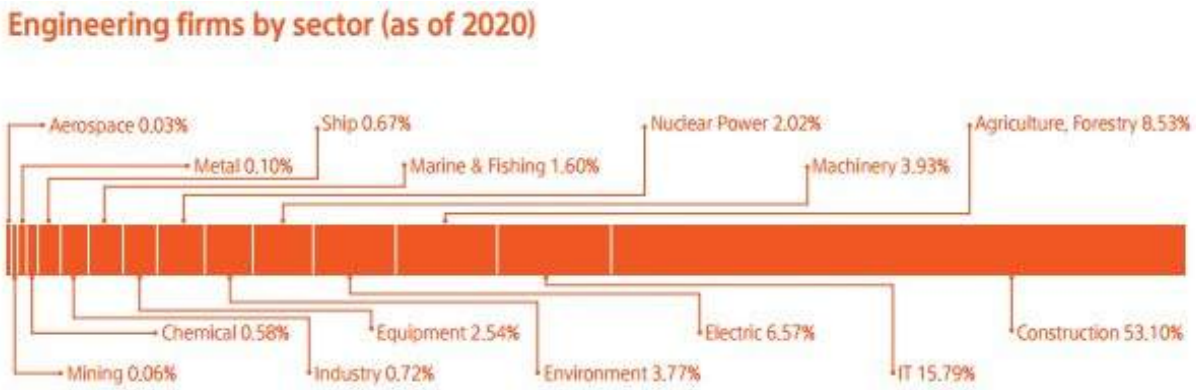
- Establishing new market
- Creating complete member satisfaction
- Globalizing for overseas market expansions
- Enhancing international prestige of the Korean engineering industry

MAIN ACTIVITIES



- Improving Business Environment for Engineering Companies and Upgrading Industrial Structure
- Establishing a Bridgehead for Overseas Market
- Improving Global Recognition of the Korean Engineering Industry
- Training Professional Global Engineers

MEMBERSHIP DATA



INTEGRATING ENGINEERING AND CONSTRUCTION INTO SMART FARMING THROUGH COLLABORATIVE TECHNOLOGIES

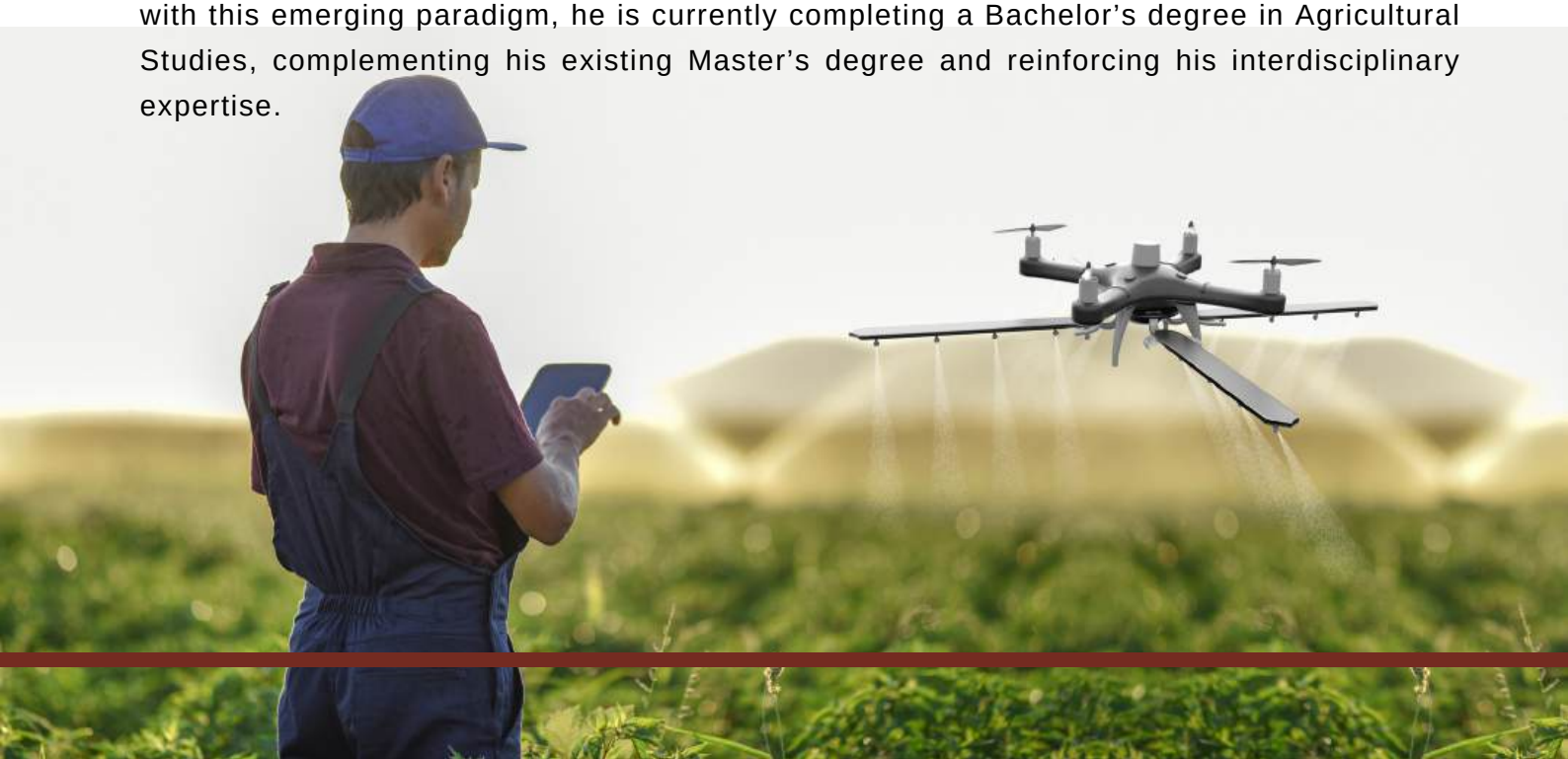
CHUNGWON SEO | *Vice President* | *Dohwa Engineering Co., Ltd. , Republic of Korea*

INTRODUCTION

Chungwon Seo currently serves as an International Development Project Specialist in the Business Strategy Department at Dohwa Engineering Co., Ltd. With over 17 years of experience, he has led and managed a wide range of international projects encompassing bidding and contract acquisition, project implementation, and the development of Public-Private Partnership (PPP) initiatives abroad.

In recent years, he has played a key role in promoting smart agriculture development projects, and is currently overseeing an energy efficiency-focused PPP project in Indonesia. He also serves as Vice Chair of the Young Professional Committee under the Korea Engineering Association.

Looking ahead, he anticipates a growing role for construction engineering in the agricultural sector, an area he believes will attract increasing global attention. To align with this emerging paradigm, he is currently completing a Bachelor's degree in Agricultural Studies, complementing his existing Master's degree and reinforcing his interdisciplinary expertise.



INTEGRATING ENGINEERING AND CONSTRUCTION INTO SMART FARMING THROUGH COLLABORATIVE TECHNOLOGIES

This paper presents the framework, benefits, challenges and some way forward for 3D data capture and BIM adoption in planning, design and construction of utility infrastructure in land development projects.

Agriculture, once regarded as a traditional sector dependent on seasonal cycles and manual labor, is now experiencing a transformation unprecedented in scale. This transformation is being driven by global challenges such as climate change, water scarcity, and the rising urgency of food security.

What was once a matter of subsistence for local communities has now become an issue of national strategies and international policy frameworks. The modern reality is that agriculture can no longer be understood solely as farming; rather, it must be regarded as infrastructure. It is deeply intertwined with energy systems, water management, logistics, and environmental engineering. In this context, the role of engineering and construction (E&C) industries becomes indispensable. These industries, long associated with highways, dams, and power plants, are now extending their expertise into agriculture by designing and constructing the systems that enable smart farming to operate at scale.

The global agricultural paradigm is undergoing a decisive shift. Climate change has disrupted weather patterns across continents, causing floods, droughts, and heatwaves that destabilize traditional farming practices. Water scarcity is now recognized as one of the greatest constraints on agricultural productivity, particularly in arid and semi-arid regions. At the same time, the world faces the challenge of feeding a population projected by the United Nations to peak at 10.4 billion in the 2080s. These pressures have accelerated investment in agricultural technologies. The global smart farming market, valued at roughly USD 20 billion in 2023, is expected to exceed USD 60 billion by 2033, growing at an annual rate of more than 11 percent. This rapid growth reflects an increasing recognition that technological and infrastructural solutions are essential for the resilience of food systems. Agriculture is no longer a peripheral activity but a central component of national economic and security strategies.

Engineering and construction are at the heart of this new agricultural model. The first area of intervention lies in water infrastructure. Smart farming depends on closed-loop irrigation and fertigation systems that deliver water and nutrients with precision, minimizing waste and runoff. E&C professionals not only design these systems but also construct the physical infrastructure— pipelines, pumps, filters, and sterilization facilities—that ensure efficient use of every drop of water. Beyond irrigation, drainage water treatment and recycling systems are now integral to sustainable farming.

Runoff from greenhouses and fields can be captured, purified, and reused, preventing environmental contamination while conserving scarce resources. In this way, E&C does not merely support farming but redefines its ecological footprint.

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Energy systems represent another crucial domain where E&C expertise transforms agriculture. Smart farming facilities require stable, efficient, and clean energy for automated operations, climate control, and lighting. Ground-source geothermal heat pumps allow for cost-effective heating and cooling of greenhouses, while waste heat recovery systems redirect surplus energy from nearby industrial facilities into farm operations. Solar arrays, placed on rooftops or in open fields, provide renewable electricity for monitoring and automation, and biomass digesters convert organic waste into biogas, creating a closed-loop cycle of energy production. These systems are not abstract ideas; they are engineering realities built, maintained, and optimized by construction professionals. Through them, farms become self-sufficient and resilient energy systems in themselves.

The structural and civil aspects of farming also underscore the importance of E&C. Modern greenhouses are no longer simple shelters but advanced facilities designed to integrate robotics, hydroponics, and environmental control systems. Such structures require advanced engineering analyses to support heavy equipment and withstand climatic stresses. In parallel, civil works such as grading, drainage, and access roads enable autonomous machinery to function effectively and harvested crops to reach markets without delay. The construction of durable infrastructure ensures that smart farms are not only technologically advanced but also physically robust and future-ready.

Waste-to-resource systems further highlight how agriculture and E&C intersect to achieve sustainability. Engineering solutions for wastewater treatment enable the recovery of valuable nutrients such as nitrogen and phosphorus, which can be reused as natural fertilizers. At the same time, crop residues and organic waste are processed in anaerobic digesters to generate renewable biogas and digestate, closing the loop between production and resource recovery. Such systems transform what was once agricultural waste into energy and inputs, reducing environmental burdens while strengthening circular economies.

The application of these principles is already evident in real-world projects. An example can be found in Kyrgyzstan, where a five-hectare smart greenhouse complex was designed, constructed, and is now operated by DOHWA Engineering. The project integrates nutrient solution systems, wastewater recycling, geothermal heat pumps, and water treatment facilities to achieve higher yields at reduced operational costs. In one year alone, 350 tons of tomatoes were harvested and sold both locally and in neighboring markets. More importantly, the project became the first agricultural initiative to receive a Multilateral Investment Guarantee Agency (MIGA) guarantee. This recognition signaled to governments and financial institutions that smart farming is not an experimental concept but a form of critical infrastructure worthy of large-scale investment. The Kyrgyzstan case illustrates how E&C expertise can turn agricultural projects into bankable, sustainable ventures that can be replicated across developing regions.

A second case, in Spain's Almería region, demonstrates the indispensability of E&C at scale. Known as the "Sea of Greenhouses," this agricultural cluster covers more than 30,000 hectares and produces over 3.5 million tons of vegetables annually, much of which is exported to Europe.

However, its location in a semi-arid environment posed a severe water scarcity problem. The solution lay in massive engineering projects—desalination plants, water reclamation systems, and integrated water policies. Leading international E&C firms such as Sacyr, ACCIONA, and Ayesa provided the technical and financial capabilities required to implement these solutions. The success of Almería confirms a fundamental point: large-scale agricultural systems cannot exist without the technical, structural, and financial contributions of the engineering and construction industry.

Looking to the future, Asia—and particularly Indonesia—presents vast opportunities for scaling smart farming through E&C. Despite agriculture employing nearly one-third of Indonesia's workforce and contributing over 13 percent to GDP, more than half of the country's irrigation infrastructure is damaged and crop productivity has been declining at a rate of 1.5 percent annually. Recognizing this, the Indonesian government has allocated substantial investment to expand irrigation coverage by 2 million hectares, amounting to approximately USD 800 million. Moreover, smart agriculture has been identified as a priority within the National Development Plan for 2025–2029, with strong support from the Ministry of Agriculture in building data platforms and financing programs for young farmers. International organizations such as the World Bank and the Asian Development Bank have also joined in, providing avenues for public–private partnerships and regional collaboration
.

To ensure success, the expansion of smart farming in Asia requires an integrated approach. Engineering and construction firms must deliver the physical foundations: climate-resilient greenhouses, renewable energy systems, and advanced irrigation infrastructure. Technologies must be adapted to local conditions, with AI- and IoT-enabled fertigation and climate control systems tailored for tropical and monsoon climates.
Policy frameworks must align land, water, and energy management while encouraging private investment through risk-sharing mechanisms. Finally, regional collaboration is essential to drive down costs and accelerate innovation through the sharing of research and expertise across Asia.

In conclusion, smart farming is no longer a futuristic concept but a present reality that requires the integration of engineering and agriculture. The challenges of climate change, water scarcity, and food security cannot be met by farmers alone; they require the technical, structural, and operational expertise of the E&C industry. The experiences of Kyrgyzstan and Spain prove that agriculture, when treated as infrastructure, can achieve sustainability, efficiency, and resilience at scale. The opportunities emerging in Indonesia and across Asia further suggest that the convergence of E&C and agriculture will define the future of food systems. As the demand for sustainable food production grows, engineering and construction are not peripheral actors but central architects of a new agricultural paradigm. Smart farming, supported by collaborative technologies and robust infrastructure, is set to become not only a driver of food security but also a critical new market for the global E&C industry.

REVOLUTIONIZING CONSTRUCTION MANAGEMENT:

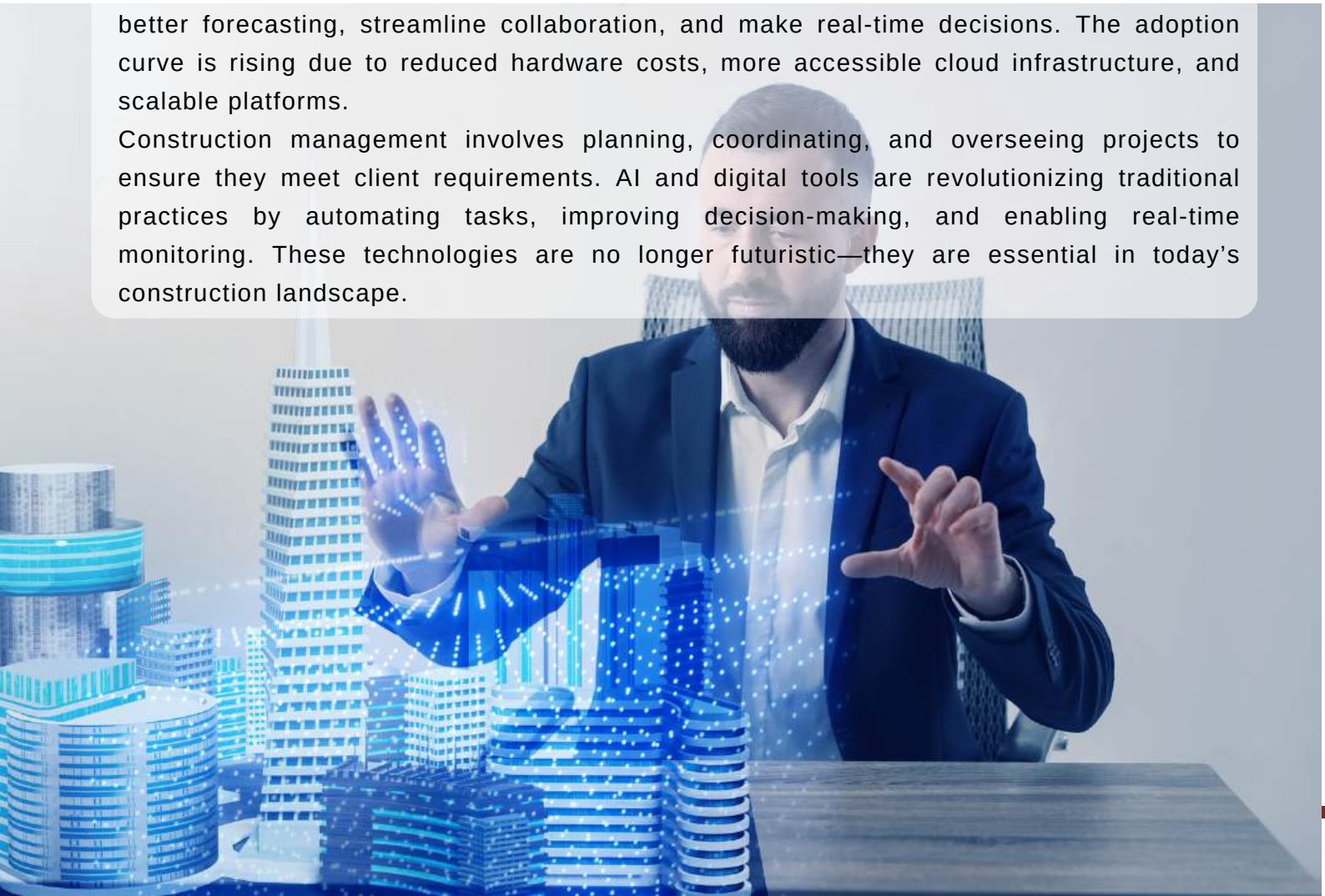
THE IMPACT OF AI ADOPTION AND ADVANCED DIGITAL TOOLS IN THE BUILT ENVIRONMENT

DR. AJAY PRADHAN | *President & CEO | C2S2*
SHITANSHU JAIN | *Practice Lead | Autodesk Arkance, India*

INTRODUCTION

The advent of digital technologies, especially Artificial Intelligence (AI), has brought about significant changes in the construction sector. Previously characterized by labor-intensive and highly fragmented processes, the industry is now embracing digitization to enhance efficiency and competitiveness. AI enables construction managers to harness data for better forecasting, streamline collaboration, and make real-time decisions. The adoption curve is rising due to reduced hardware costs, more accessible cloud infrastructure, and scalable platforms.

Construction management involves planning, coordinating, and overseeing projects to ensure they meet client requirements. AI and digital tools are revolutionizing traditional practices by automating tasks, improving decision-making, and enabling real-time monitoring. These technologies are no longer futuristic—they are essential in today's construction landscape.



ROLE OF AI IN CONSTRUCTION MANAGEMENT

AI applications span the project lifecycle: from real-time project monitoring and intelligent resource allocation to predictive cost estimation and safety management. AI automates inspections, enhances site monitoring, and supports decision-making with data-driven insights.

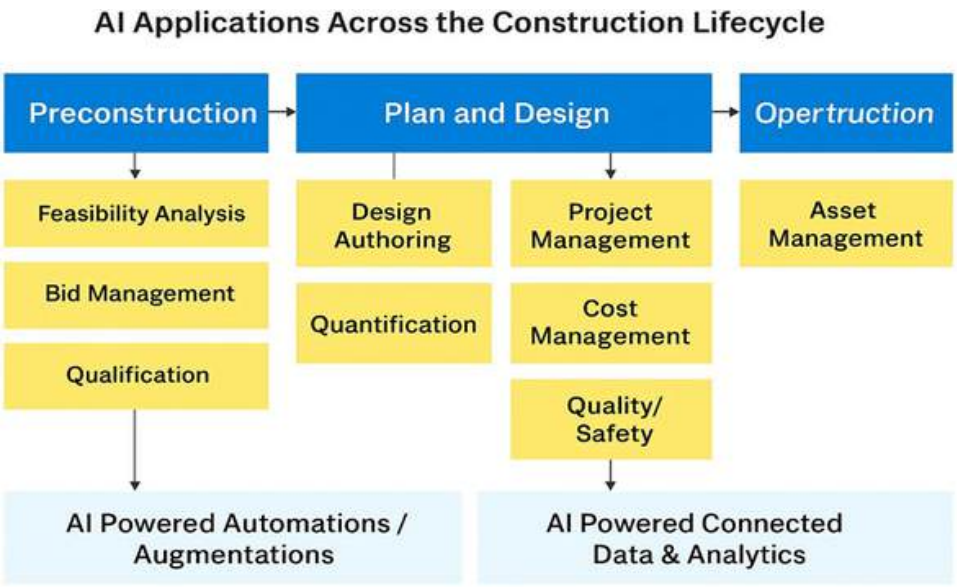


Figure 1: AI Applications Across the Construction Lifecycle

ADVANCED TOOLS AND TECHNOLOGIES

Technologies enabling AI integration include BIM for digital modeling, drones for aerial surveys, AR/VR for immersive design experiences, IoT for real-time data collection, robotics for repetitive tasks, and cloud platforms for collaborative project management.

BENEFITS OF AI INTEGRATION

AI enhances productivity, reduces costs, and improves safety. It enables proactive risk management, supports sustainable construction, and brings innovation to design and planning. The combination of efficiency and foresight improves project delivery and profitability.

CASE STUDIES AND INDUSTRY EXAMPLES

Other notable examples include Buildots, which uses helmet-mounted cameras and AI algorithms to compare planned versus actual progress, enabling automatic detection of delays. Similarly, nPlan applies machine learning to historical construction schedules to predict risks and offer mitigation strategies. These platforms represent a shift from reactive to predictive project management.

Examples include OpenSpace for automated site documentation, SAM100 for bricklaying, and predictive maintenance in transit systems. These showcase how AI boosts accuracy, saves time, and lowers operational risks.

Skanska deployed Smartvid.io's AI-based computer vision for safety monitoring, which flagged unsafe behavior like missing PPE. This led to a 20% reduction in safety incidents (Smartvid.io, 2024).
Mortenson Construction used ALICE Technologies to simulate and optimize construction sequencing for a wind farm project. The AI reduced the schedule by 17% and improved resource allocation (ALICE Technologies, 2024).

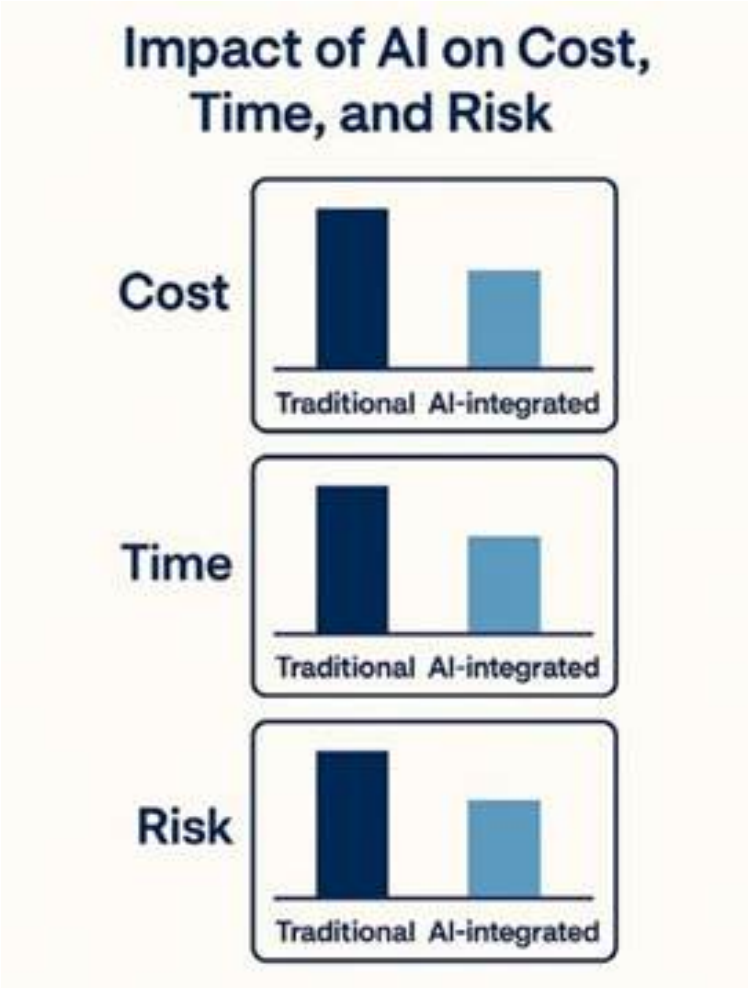


Figure 2: Impact of AI on Cost, Time, and Risk

Larsen & Toubro applied AI and IoT for structural health monitoring in metro rail infrastructure, enabling predictive maintenance and extending asset life (L&T Smart World, 2024).
China State Construction combined drones with AI image analysis for high-rise façade inspections, improving inspection speed by 60% and reducing manual effort (Construction Dive, 2023).

Obayashi Corporation implemented robotic systems guided by BIM for tunnel rebar and concrete tasks. This minimized labor in confined zones and improved precision (Obayashi Corp, 2023).
Laing O'Rourke utilized AI for labor forecasting across multiple sites, using weather and site data to reduce idle time and boost scheduling efficiency (Laing O'Rourke, 2023).

DPR Construction used StructionSite to compare real-time site photos with BIM models, enabling immediate detection of deviations and reducing rework (StructionSite, 2024).Bouygues Construction adopted generative design tools to optimize temporary scaffolding layouts, reducing material use by 25% and improving logistics (Autodesk Generative Design, 2023).

FUTURE DIRECTIONS

Emerging trends include AI-IoT integration for smart sites, generative AI for design, blockchain for contracts, and quantum computing for complex project optimization. These technologies promise to redefine construction methodologies.

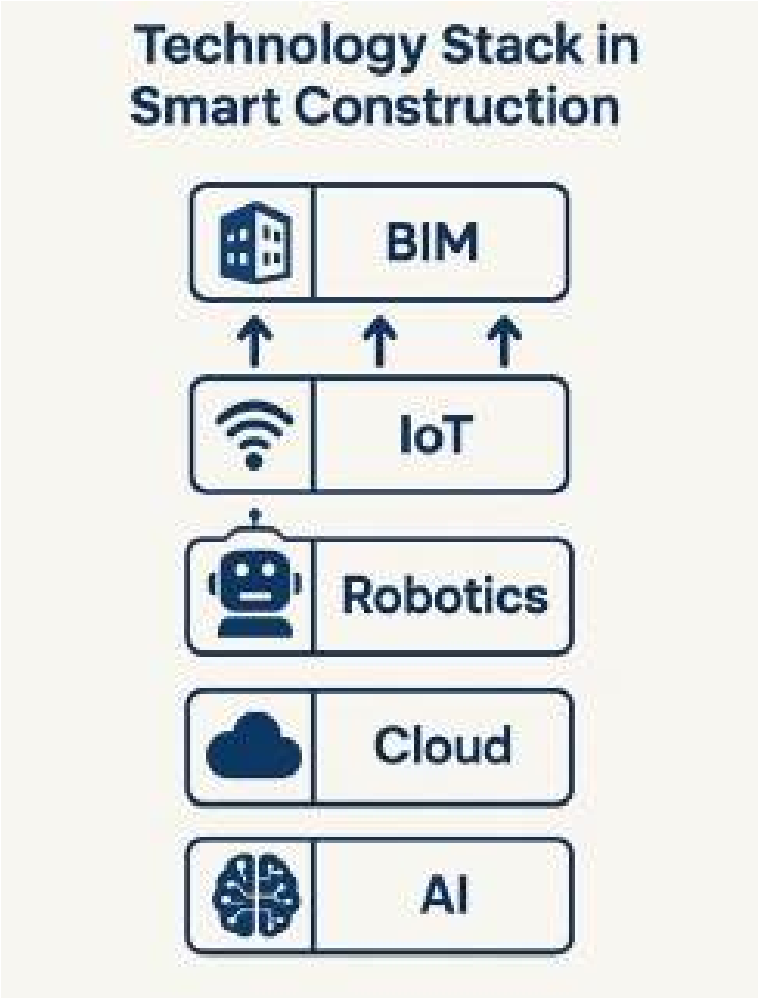


Figure 3: Technology Stack in Smart Construction

AI ACROSS THE BUILDING LIFECYCLE

In preconstruction, AI aids in feasibility studies and regulatory compliance checks. During construction, computer vision systems track progress and flag inconsistencies. Post-construction, AI supports facilities management through predictive analytics and lifecycle tracking of infrastructure. The feedback loop between design, construction, and operations is being shortened and enriched with AI-powered insights.

From feasibility analysis and design optimization to real-time construction monitoring and asset management, AI supports every phase of the construction lifecycle. It ensures smarter planning, efficient execution, and sustainable operation.

IMPLEMENTATION CHALLENGES IN AI ADOPTION FOR CONSTRUCTION

Despite the clear potential of AI in construction management, the path to widespread adoption is fraught with practical challenges. These issues span technological, organizational, cultural, and economic domains.

Low digital maturity, fragmented data systems, cultural resistance, high implementation costs, lack of regulatory frameworks, and cybersecurity concerns are the key challenges hindering AI adoption in construction. Addressing these barriers systematically is key to realizing the full value of AI- driven transformation.

RECOMMENDATIONS FOR POLICY MAKERS AND INDUSTRY LEADERS

Policy makers and industry leaders should develop national AI roadmaps, offer R&D incentives, mandate digital delivery for major public projects, establish innovation hubs through academia-industry collaboration, promote open data standards, support workforce upskilling programs, and create regulatory frameworks for ethical and secure AI adoption in construction.

CONCLUSION

AI and digital tools are transforming construction management. Their strategic adoption leads to enhanced project performance, increased sustainability, and long-term resilience in the built environment.

AI and advanced digital tools are not just enhancing construction management—they are redefining it. From design and planning to execution and operations, AI enables smarter decision-making, real-time collaboration, and predictive control across the entire project lifecycle. These technologies improve cost efficiency, safety, and sustainability, offering tangible value to both developers and end users.

However, to realize their full potential, the industry must address critical implementation challenges such as digital maturity gaps, data integration, cultural resistance, cost barriers, and the need for ethical frameworks. Strategic collaboration among policy makers, industry leaders, and technology providers is essential to create supportive ecosystems that drive innovation, foster trust in AI-driven processes, and ensure inclusive digital transformation. The future of construction lies in intelligent, connected, and resilient systems—powered by AI and guided by a shared vision for smarter, sustainable infrastructure.

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FUTURE LEADERS' CORNER

EXPANDING THE FLF FOOTPRINT:
NEPAL ESTABLISHES NEW FUTURE LEADERS FORUM

The SCAEF Future Leaders Nepal (FLN) was officially established on 7 July 2025 under the vision and leadership of its Founding Chairperson, Er. Aditya Khanal, a member of the FIDIC Asia Pacific Future Leaders Executive Committee, with formal endorsement from FIDIC Asia Pacific and full institutional support from SCAEF Nepal. Established to strengthen leadership and soft skills alongside technical excellence, FLN serves as a platform for developing future leaders within Nepal's consulting engineering sector. The FLN Committee, formally constituted on 21 September 2025, comprises vibrant and talented young professionals - Er. Ayesha Shrestha, Er. Sparsh Shrestha, Er. Anuradha KC, Er. Shekhar Nath Chapagain, Er. Sachit Singh Shahi, and Er. Parbat Bhandari- who collectively drive FLN's programs and vision forward.

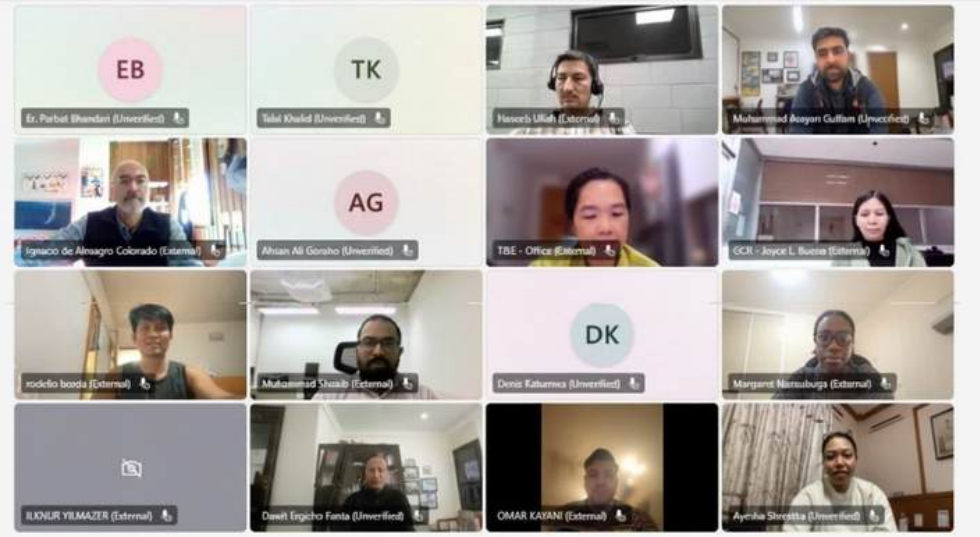
FIRST FL WEBINAR MARKS SUCCESSFUL START OF THE SERIES

The Future Leaders Executive Committee (FLEC) – FIDIC Asia Pacific has initiated a monthly webinar series, with each session organized by FLEC – FIDIC Asia Pacific.
Webinar #1, held on 18 November 2025, focused on “Communications and Their Impact on Dispute Resolution in FIDIC Contracts.” The speaker was Ms. Marcela García, a FIDIC Certified Contract Manager from El Salvador.

The session highlighted a critical aspect of contract management—the role of effective communication in shaping dispute resolution under FIDIC contracts. It offered valuable insights for consulting engineers, project managers, and contract professionals across the region. More than 120 participants from around the world attended the webinar.

Mr. Widhoon Chiamchittrong, President of FIDIC ASPAC, and Engr. Wasif Nazar Siddiqui, Convener of the Event Management Committee – FIDIC Asia Pacific and Honorary Secretary of the Association of Consulting Engineers Pakistan (ACEP), also attended the session and appreciated the efforts of the Future Leaders of FIDIC Asia Pacific.

More webinars are planned and will be held each month throughout this year and the next.



FL TALKS

A PROUD INITIATIVE OF NEPAL FUTURE LEADERS

ER. ADITYA KHANAL
Founding Chairperson, SCAEF Future Leaders Nepal (FLN)

About FLN

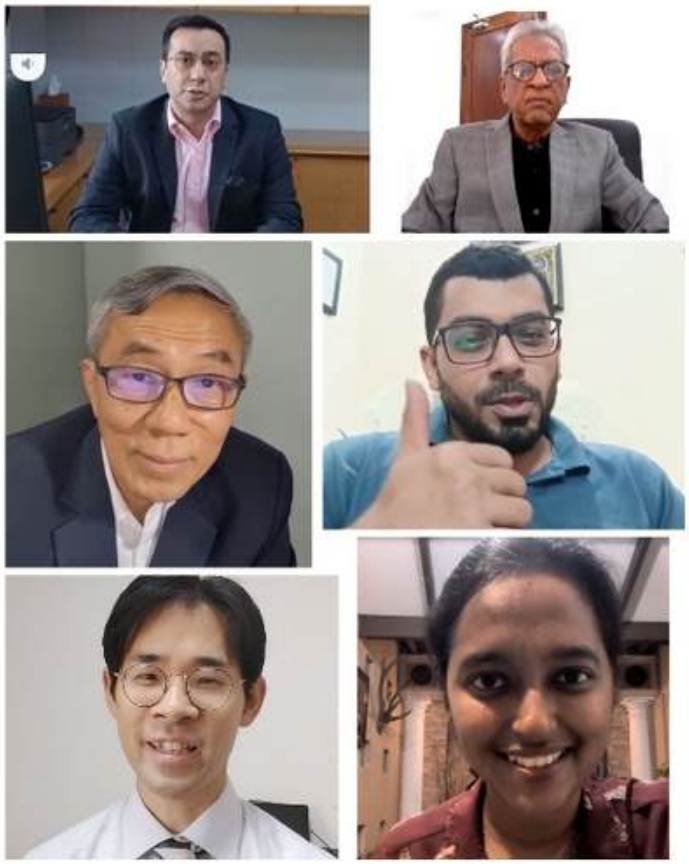
SCAEF Future Leaders Nepal (FLN) is a network of young consulting engineers under the Society of Consulting Architectural and Engineering Firms (SCAEF). It aims to empower professionals aged 40 and under by fostering collaboration, leadership, and innovation within Nepal's consulting engineering community.

About FL Talks

FL Talks is a new FLN initiative that promotes dialogue between industry leaders and young professionals, focusing on real-world challenges and ideas shaping Nepal's consulting engineering sector.

The first episode marked a major milestone, uniting young professionals from various SCAEF member firms for a session of learning, networking, and inspiration. Held at Universal Engineering and Science College Auditorium, the event was emceed by FLN members Er. Ayesha Shrestha and Er. Anuradha KC, with Er. Bishal Dev leading the technical team.

The program featured a welcome by SCAEF Deputy General Secretary Er. Mandakini Karki, an introduction by Er. Sparsh Shrestha, and remarks from FLN Chair Er. Aditya Khanal. The formal inauguration was carried out by SCAEF President Er. Thakur P. Sharma, General Secretary Er. Kamal Karki, and FLN Chair, Er. Aditya Khanal through the lighting of the panas.



Chief Guest Prof. Dr. Padma Bahadur Shahi, Chairperson of Nepal Engineering Council, and Special Guests Ar. Rajesh Thapa, Er. Anil Pokhrel, and Er. Bhesh Raj Thapa, Phd graced the occasion.

Several congratulatory video messages were shared during the event from several FIDIC representatives, including Mr. Prashant Kapila (FIDIC Board Member and President, CEAI), Mr. Widhoon Chiamchittrong (President, FIDIC Asia Pacific), Mr. Sudhir Dhawan (FIDIC Asia Pacific Board Member and Immediate Past President), Engr. Abdul Haseeb Mansoori (Chair, FAP-FLEC), and past FLEC Chairs Engr. Dilini Gamage and Mr. Shuntaro Kinno.

The first session featured a panel discussion on the theme “Bridging Borders: Lessons for Young Engineers from Global and Local Experiences.” This was followed by presentations from the event sponsors CMS Group and Shivam Cement (Ltd.) before the break. The second session comprised five technical presentations on diverse topics, showcasing the knowledge and expertise of young professionals across different disciplines.

Session 1: Panel Discussion
Theme: Bridging Borders: Lessons for Young Engineers from Global Experiences
The panel discussion, a key highlight of the first FL Talks episode, centered on the theme “Bridging Borders: Lessons for Young Engineers from Global Experiences.” It featured diverse panelists sharing international and national perspectives on how Nepali engineers can learn from global practices and apply them locally.

Er. Shekhar Nath Chapagain reflected on insights from the FIDIC ASPAC Conference in Bali and his studies in Austria, highlighting differences in exposure and work culture. Er. Gopal Giri discussed Japan’s discipline and efficiency, while Er. Rishav Neupane, joining virtually from SMEC Australia, spoke about professional contrasts between Nepal and Australia, encouraging adoption of global standards. Representing the national view, Er. Arju Acharya emphasized the resilience of Nepali engineers and the importance of platforms like FLN and FL Talks.
The session, moderated by SCAEF FLN Chair Er. Aditya Khanal, effectively bridged global and local insights. It concluded with a summary by Er. Sachit Singh Shahi, emphasizing key takeaways on professionalism and continuous learning, followed by an engaging Q&A session with the audience.

Session 2: Young Professionals Speak
The second session featured five engaging technical presentations, highlighting the innovation and expertise of young professionals across diverse fields of engineering and development.

Er. Devesh Belbase, an environmental and water governance specialist, presented on “From Policy to Practice: Bridging Water Governance and Infrastructure Delivery in Nepal,” stressing the link between policy and on-ground implementation.

Ms. Melissa Pradhan, a climate change professional, spoke on “Understanding Climate Change: The Science behind the Challenge,” emphasizing science-based action and climate resilience.

Er. Bibek Singh, Co-Founder and CEO of Diginirman Engineering, shared insights on “Drone and LiDAR Techs in Infrastructure Projects,” showcasing the role of digital innovation in modern engineering.

Er. Aakash Mishra discussed “Procurement Strategies and Supply Chain Management in Mega EPC Projects,” offering lessons from Nepal’s largest construction initiatives.

Er. Moti Ram Giri concluded with “Civil Engineering in Rural Nepal: Where We Stand?” highlighting the challenges and opportunities in developing rural infrastructure.

Together, these presentations reflected the depth and diversity of expertise among Nepal’s young professionals, highlighting their vital role in driving innovation, sustainability, and progress within the nation’s engineering and consulting landscape.

Conclusion

The first episode of FL Talks, organized by Future Leaders Nepal (FLN) under SCAEF, brought together around 80 young professionals for a day of learning and exchange. Featuring a panel discussion, technical presentations, and messages from global leaders, the event received an excellent Mentimeter feedback rating of 4.05 out of 5, marking a successful launch of the FL Talks series.

CONGRATULATIONS !

We congratulate Engr. Abdul Haseeb Mansuri (Chairman of Future Leaders' Executive Committee - FIDIC Asia Pacific) for receiving the Highly Commended Future Leader of the year Award - 2025 under FIDIC Future Leaders Award category.

The recognition was conferred during the Gala Dinner of the FIDIC Annual Conference, held on 23rd September 2025 in Cape Town, South Africa.

The FIDIC Future Leaders Awards highlight the outstanding talent and potential within the consulting engineering sector, recognising individuals who have made, or are poised to make, significant contributions to the sector.

Previously, in 2023, Engr. Abdul Haseeb Mansuri was honoured with the FIDIC Asia Pacific Emerging Leaders Award in 2023, where he distinguished himself among participants from 23 Asia Pacific countries.

ABDUL HASEEB MANSURI

RECEIVES HIGHLY COMMENDED AWARD OF FIDIC FUTURE LEADER'S AWARDS

GET TO KNOW A FUTURE LEADER

Er. Aditya Khanal is a Civil Engineer and GIS Specialist at Full Bright Consultancy (Pvt.) Ltd., a member firm of SCAEF Nepal. His work spans transportation engineering, infrastructure planning, and GIS-based analysis, supported by strong leadership roles in national and international engineering forums.

He is the Founding Chairperson of SCAEF Future Leaders Nepal (FLN) and Vice Chair of the FIDIC Asia Pacific Future Leaders Forum (FLEC). He is pursuing a Master's in Transportation Engineering, complementing his Bachelor's in Civil Engineering.

As FLN's Founding Chair, Aditya established Nepal's first structured youth leadership platform within the consulting engineering sector. He initiated FL Talks, an interactive series that connects young professionals with industry leaders, fostering knowledge exchange and professional growth.

At Full Bright Consultancy, he has contributed to major national infrastructure projects such as the Nepal–India Regional Trade and Transport Project (NIRTTP), Detail Design and Improvement of the Nagdhunga – Naubise–Mugling Road and Bridges, and other WB, ADB and AIIB funded projects among others.

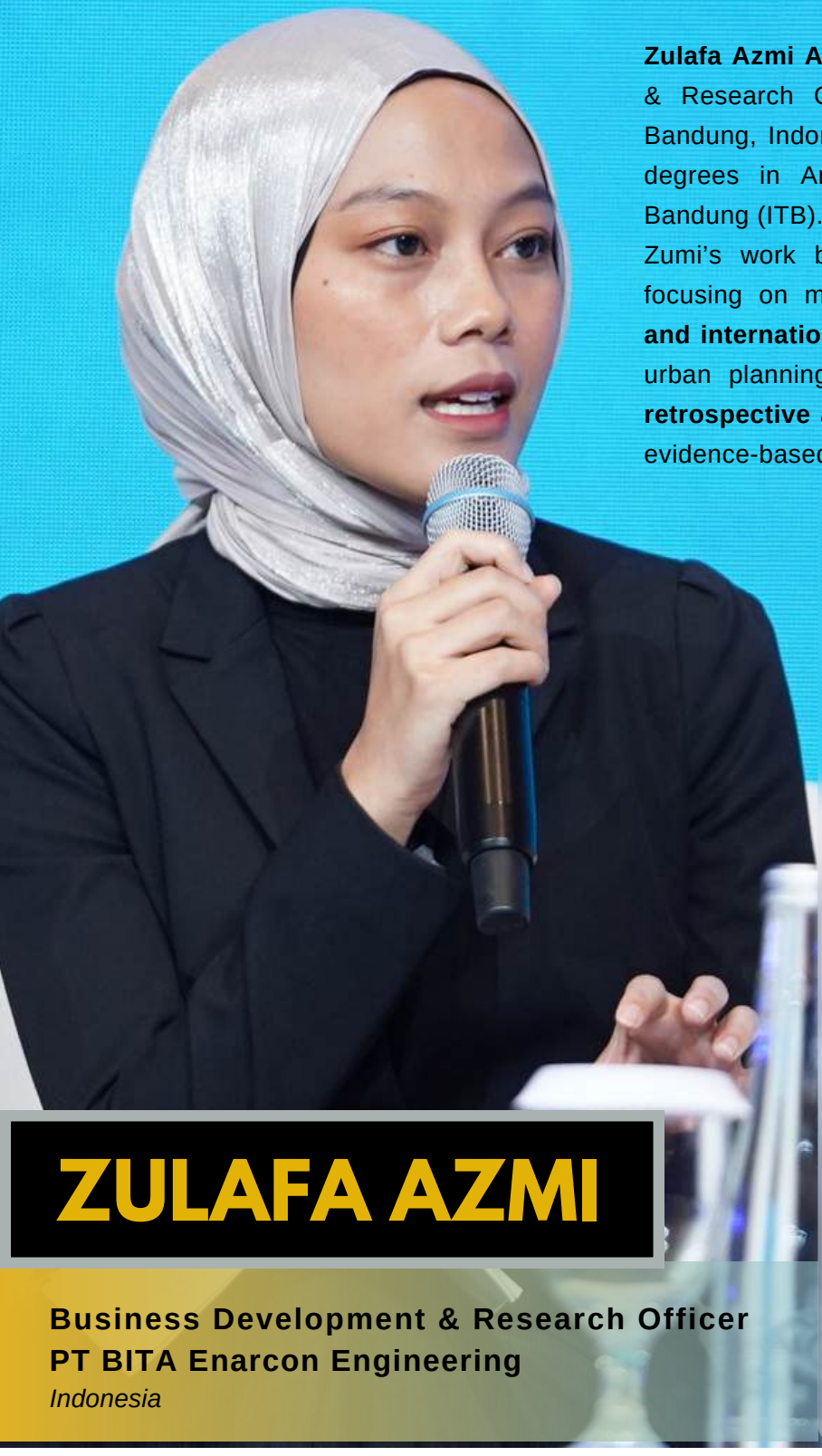
Aditya served as a rapporteur and part of the organizing team for the FIDIC Asia Pacific Conference 2024 in Kathmandu. He also contributes to global knowledge-sharing as a member of the Events Management Committee of FIDIC Asia Pacific and the Publication and Communication Sub-Committee of SCAEF Nepal.

Driven by innovation, collaboration, and inclusivity, Aditya advocates for youth leadership, sustainable infrastructure, and technology-integrated engineering to help shape a resilient future for Nepal.

ADITYA KHANAL

Civil Engineer and GIS Specialist
Full Bright Consultancy (Pvt.) Ltd.
Nepal

GET TO KNOW A FUTURE LEADER



ZULAFA AZMI

Business Development & Research Officer
PT BITA Enarcon Engineering
Indonesia

Zulafa Azmi Aunun Noor (Zumi) is a Business Development & Research Officer at PT BITA Enarcon Engineering in Bandung, Indonesia. She holds both Bachelor's and Master's degrees in Architecture from the Institute of Technology Bandung (ITB).

Zumi's work bridges research and business development, focusing on multidisciplinary project proposals for **national and international** clients across infrastructure, transportation, urban planning, and the built environment. She draws on **retrospective and prospective insights** to support strategic, evidence-based decision-making.

Actively engaged in professional networks, Zumi contributed to the **FIDIC Asia Pacific Conference 2025** in Bali as **Conference Officer** and **Lead Editor** for the official conference book and related articles. She also represented Indonesia as a **panelist** in the **Young Professionals Summit session,** sharing perspectives on "Human vs. Machine: Workforce Transformation and the Role of Upskilling," covering the impact of technology on professional skills and workforce planning, and strategies for adapting to change. Endorsed by INKINDO, she now serves as an official member of the **Future Leaders' Executive Committee (FLEC) under FIDIC Asia Pacific and as Assistant Editor of the FIDIC Asia Pacific Newsletter**. Supporting knowledge exchange across the consulting engineering community.

Zumi applies a research-driven approach to business development and strategy, delivering insights that guide informed decision-making in the consulting engineering sector.

EVENTS FROM LAST QUARTER

CEAI Annual Conference & National Awards 2025 – Conference Update

The Consulting Engineers Association of India (CEAI) recently concluded its Annual Conference & National Awards 2025 held on 26–27 November 2025 in India. The conference, themed "Engineering India Forward: Strategy, Sustainability & Innovation for Inclusive Infrastructure," brought together over 200 participants, including senior consulting engineers, policymakers, project owners, EPCs, developers, financiers, and technology providers.

The two-day programme featured high-level plenary sessions and panel discussions focusing on the future of consulting engineering, sustainability and ESG integration, digital transformation, innovative financing, dispute avoidance, and strategic collaboration across the infrastructure value chain. The conference underscored the evolving role of consulting engineers in delivering resilient, inclusive, and globally competitive infrastructure.

The CEAI National Awards 2025, presented during the conference, recognised outstanding individual professionals and organisations for excellence in engineering consultancy, innovation, sustainability, and professional leadership, reinforcing CEAI's commitment to advancing best practices and professional standards in the industry.

MORE NEWS FROM CEAI

- Dr. Harshavardhan Subbarao, GC Member, has taken over the charge as President in "The International Association for Bridge and Structural Engineering" from 1st November 2025 for three years.
- Mr. Gagan Anand, CEAI GC Member and Managing Partner has been named "Lawyer of the Year - Client Choice Awards (India)" at the Asialaw Awards 2025 held on November 6, 2025 at the Hilton Saigon in Ho Chi Minh City, Vietnam.

EVENTS FROM LAST QUARTER

Highlights from Futurespace 2025
-The Association of Consulting and Engineering New Zealand Incorporated (ACENZ)

The Futurespace 2025 conference held in Auckland brought together engineering and consulting leaders to explore the future of leadership, innovation and practice in the built and natural environment. The two-day event emphasised values-based decision-making, ethical practice, resilience and clear communication as essential tools for navigating today's complex challenges.

The conference opened with an inspiring session by world-record-breaking explorer James Castrission, who shared powerful lessons on leadership under extreme conditions, highlighting the importance of making decisions rooted in core values rather than delaying difficult choices.

A key focus was on how technology and data can drive better outcomes. Dave Braendler outlined the need for clarity in data systems during project start-up, and stressed that keeping people at the centre of AI adoption makes workplaces more human and unlocks unexpected benefits.

Several sessions spotlighted the role of culture, engagement and collaboration. Hinerangi Hemara-Haeana discussed embedding Māori data sovereignty and the significance of iwi being part of project conversations. Simonne Eldridge introduced the idea of "co-opetition," where firms sometimes collaborate and sometimes compete to deliver better infrastructure outcomes.

Real-world insights were shared on disaster response coordination, community engagement, and overcoming resistance to infrastructure projects—underlining that success lies not just in technical solutions but in meaningful communication and connection.

International perspectives were provided through a global panel and insights from the American Council of Engineering Companies, discussing trends in workforce development, sustainability, leadership and business models shaping the profession to 2035 and beyond.

Futurespace 2025 reaffirmed that the future of consulting and engineering lies in innovative thinking, cultural competency, collaboration, and leadership that is both strategic and human-centred.

EVENTS FROM LAST QUARTER

Australia *Consult Australia*	• Boardroom Luncheon with Jon Whelan, CEO of the Department for Infrastructure and Transport [4 December 2025] • Boardroom Luncheon with Sam O'Connor MP, Minister for Housing and Public Works [5 December 2025]
India *Consulting Engineers Association of India (CEAI)*	• Online Training Programme on "Design of Chimneys and Stacks for Power Plants & Other Industrial Applications" [Saturday, Sunday 30 August – 27 September 2025] • Sustainable Development Committee Meeting [3 September 2025] • IRC Codes of Practice for Bridges Online Training [5 September – 6 December 2025] • Joint Seminar on "Long Span Crossings & their Sustainability" [6 September 2025] • Governing Council Meeting [10 September 2025] • Lecture on "Improvement of Road Safety in India" [11 September 2025] • Workshop on "XR & AI in Engineering & Construction Industry" – Mumbai [13 September 2025] • Extraordinary General Meeting [15 September 2025] • Seminar and Events Committee Meeting [18 September 2025] • CEAI Foundation Committee Meeting [18 September 2025] • Importance of Road Safety in India Webinar – New Delhi [9 November 2025] • Claims & Claim Management for the Construction Industry – Mumbai [22 November 2025] • CEAI Annual Conference & Awards – New Delhi [26-27 November 2025]
Indonesia *Indonesian National Association of Consultants (INKINDO)*	• INKINDO Banten Provincial Conference (Musprov) [1 October 2025]
Malaysia *The Association of Consulting Engineers Malaysia (ACEM)*	• ACEM Anniversary Dinner 2025: Celebrating Excellence in Engineering [10 September 2025] • Luncheon Webinar Building Condition Assessment [1-2, 8-9 December 2025] • Luncheon Webinar Engineering Ethics & Professional Integrity [3-4, 10-11 December 2025] • Webinar on Setiawangsa – Pantai Expressway (DUKE 3) – Section 1 – Kerinchi to Salak [4 December 2025] • Webinar on Insights into Railway Trackwork, Yard Engineering and a Case Study of Perlis Inland Port [10 December 2025] • Webinar on Damansara – Shah Alam Expressway (Dash): An Overview of Section B and Penchala Interchange [12 December 2025]
Pakistan *Association of Consulting Engineers Pakistan (ACEP)*	• Integrated MEP Design for Energy-Efficient & Sustainable Buildings – October 2025 • Communication and Their Impact on Dispute Resolution in FIDIC Contracts (Webinar) In collaboration with FLEC-FIDIC ASPAC – November 2025

EVENTS FROM LAST QUARTER

Nepal *Society of Consulting Architectural and Engineering Firms (SCAEF)*	• FL Talks, Episode 1: Connect with Industry Leaders and Young Professionals Sharing Real-world Insights in Engineering and Consulting [7 November 2025] • Inauguration Ceremony of SCAEF Gandaki Province Coordination Centre Pokhara [15 November 2025] • 35th SCAEF Day 2025 [20 November 2025] • National Conference of Consulting Firms in Current State of Nation [20 November 2025] • Webinar on Data-driven Sustainability: Integrating Testing and Innovation for Sustainable Infrastructure in Developing Economies [18 December 2025]
Philippines *Council of Engineering Consultants of the Philippines (CECOPHIL)*	• Exploration of provision of support and collaboration for investigation of government-funded school building and flood control projects in order to ensure anti-corruption measures
New Zealand *The Association of Consulting and Engineering New Zealand Incorporated (ACENZ)*	• Decision-led Approach Webinar [10 October 2025] • What We Can Learn from the 2025 Remuneration Survey Webinar [19 November 2025] • Beyond the Blueprint: Data in a Digital Age Webinar [25 November 2025] • Practice Managers Forum (online) [8 December 2025] • Sole Traders Forum (online) [11 December 2025]
Singapore *The Association of Consulting Engineers Singapore (ACES)*	• AECPORT iNPQS – MEP Solutions Exclusive Seminar Series [09 September 2025] • ACES Seminar on Collaborative Agreement [24 September 2025] • ACES Seminar: Design Guide for Fibre-Reinforced Concrete Structures to Singapore Standard SS 674: 2021 – Practical Examples and Design Aids [31 October 2025] • Good Practices & Designs in High-Rise Building Water Supply Systems [5 November 2025]
Thailand *Consulting Engineers Association of Thailand (CEAT)*	• Four Professional Engineering Associations Met with the Prime Minister to Discuss Ways to Elevate the Thai Construction Industry to International Standards [6 November 2025]
Vietnam *Vietnam Engineering Consultant Association*	• GIS-BIM: Integration in Planning and Construction Design (Hanoi) [10-11 October 2025] • 7th Congress of Delegates for the 2025-2030 Term [17 October 2025] • 30th Founding Anniversary Celebration of VECAS [17 October 2025] • Green Building Edge Course: Designing for Greater Efficiency (Ho Chi Minh) [24-25 October 2025] • Conditions of Contract for EPC/Turnkey Projects (Silver Book 2017 and Revised 2022) Online Training Course [27-28 November 2025]

NEWS FROM FIDIC

New FIDIC Carbon Management Guide launched at London contracts conference

A new FIDIC guide to integrate carbon management into FIDIC contracts was launched on 2nd December 2025 at FIDIC's International Contract Users Conference in London. The FIDIC Carbon Management Guide and associated supplementary guidances offers users information on how to integrate carbon management into FIDIC contracts and will play a key role in supporting the adoption of carbon management practices across global infrastructure projects.

The new guide, which is designed to help the global infrastructure and construction sectors embed carbon-conscious thinking into every stage of a project's lifecycle, underscores FIDIC's longstanding commitment to sustainability and decarbonisation and builds on the FIDIC Climate Change Charter, launched in 2021, which sets out in basic, initial terms, how to address climate mitigation, adaptation and resilience in the built and natural environment.

UPCOMING EVENTS

Australia *Consult Australia*	• Future Leader Program 2026 - Information Session 2 [4 February 2026] • Role of the Superintendent (Online) [9 February 2026] • Contracts for Consultants (online) [10-12 February 2026] • Consult Australia 2025–26 Awards for Excellence Gala Dinner [5 March 2026] • Role of the Superintendent (in person) [10 March 2026] • Contracts for Consultants (in person) [11-13 March 2026] • PreLab Networking Event 2026 [24 March 2026] • CollabX 2026 - A Collaborative Exchange [25-26 March 2026] • Future Leader Program 2026 – Brisbane [Fortnightly from 9 April 2026] • Future Leader Program 2026 – Melbourne [Fortnightly from 9 April 2026] • Future Leader Program 2026 – Sydney [Fortnightly from 9 April 2026] • Role of the Superintendent (Online) [25 May 2026] • Contracts for Consultants (online) [26-28 May 2026] • Role of the Superintendent (in person) [23 June 2026] • Contracts for Consultants (in person) [24-26 June 2026]
India *Consulting Engineers Association of India (CEAI)*	CEAI is organizing the following ; • Building Services - Issues of Safety, Use of BIM, AI & Other Digital Tools [31 January 2026] • Online Intensive Training Course on Detailed Project Report (DPR) is being scheduled from 20th December 2025 to 28th February 2026.
Philippines *Council of Engineering Consultants of the Philippines (CECOPHIL)*	CECOPHIL is organizing the following ; • Conduct of anti-corruption investigation and assessment of completed government-funded infrastructure projects
Singapore *The Association of Consulting Engineers Singapore (ACES)*	ACES is organizing following ; • Yaskawa Seminar and Workshop Tour [21 January 2026]
Sri Lanka *The Association of Consulting Engineers Sri Lanka(ACESL)*	ACESL is organizing following ; • Annual General Meeting [19 December 2026]
Pakistan *Association of Consulting Engineers Pakistan (ACEP)*	ACEP is organizing following ; • Annual General Meeting of ACEP – December 2025 • Seminar on “Data Center of the Future” – December 2025 • Engineers Premier League Season 4 – Karachi, Pakistan – January 2025 • Engineers Premier League Season 4 – Lahore, Pakistan – February 2025

UPCOMING EVENTS

Singapore *The Association of Consulting Engineers Singapore (ACES)*	• ACES AI Seminar – [20 August 2025] • ACES–ACO Seminar – [22 August 2025]
Korea *Korea Engineering and Consulting Association (KENCA)*	• 2025 FIDIC Future Management Certification Program [March to September 2025]
Thailand *Consulting Engineers Association of Thailand (CEAT)*	• Training: Smart Tools 101 – AI Tools Every Engineer Should Try at The Engineering Institute of Thailand [25 August 2025] • Training Course: FIDIC Contract Management and Administration Course at SC Park Hotel, Bangkok[4–5 September 2025] • Training Course : FIDIC Future Leaders 9 (FFL#9) at SC Park Hotel, Bangkok [18 October 2025 – 23 May 2026]

We invite our member associations to share their constructive feedbacks and inputs to incorporate in the next issue of the newsletter.
Member associations are requested to circulate this newsletter among their members and seek articles, news and information related to past and future events to enhance the network and to represent more parts of the region.

Thank you
Editorial board