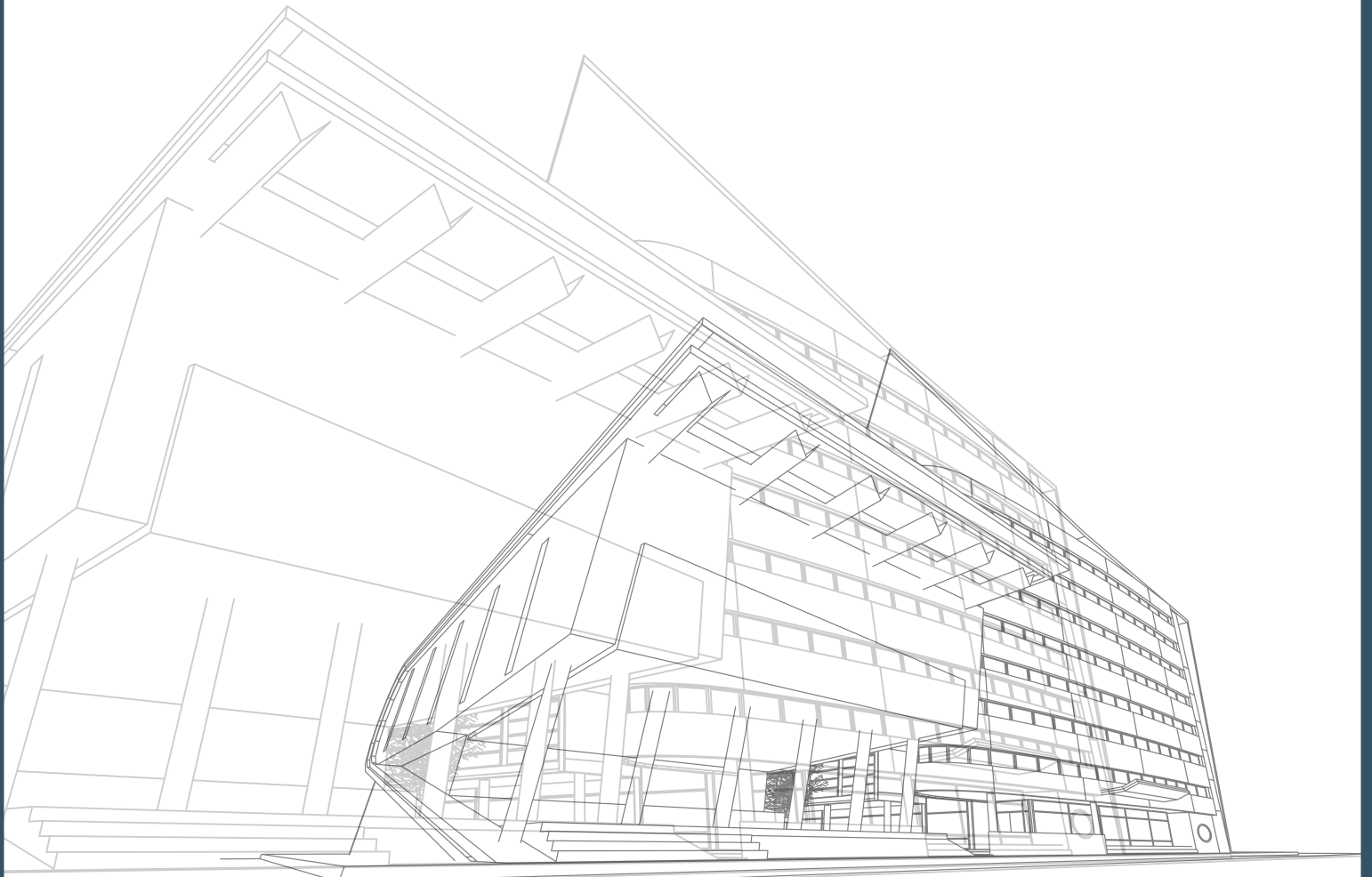


BIM SUMMIT

3RD - 4TH MARCH 2021 | VIRTUAL CONFERENCE



BIM SUMMIT

3rd - 4th March 2021 | Virtual Conference

“While 3D modelling is well-established, collaboration, integrated working and, in particular, meaningful use of data is still in its infancy,”

Paul Newby, Engineering Services Director, SES Engineering Services

EVENT OVERVIEW

Building Information Modelling (BIM) is more than just the adoption of digital modelling technologies for design and construction; it's about bringing fundamental changes to how organisations procure and manage their projects end-to-end. Australia still has a long way to go before BIM is mandated on a national scale. Thus far, only the Queensland Government has introduced a policy – back in 2018 – to support the development of BIM principles for the state's future infrastructure planning. This is not enough. A private sector keen to stay globally relevant and the growth of institutional BIM education are all continuously pushing for BIM to be nationally recognized as the key that unlocks greater value for Australia's construction projects.

Overall, the APAC region will be the highest growing market for BIM in the coming years. The market is expected to grow at the fastest rate due to the use of BIM for large-scale infrastructure and building projects. BIM's usage within Integrated Digital Delivery (IDD) optimizes the use of digital technologies throughout the 4 stages of the built environment lifecycle – Design, Fabrication, Construction and Asset Delivery & Management. This is not digitalisation merely for the sake of doing it. As the AEC industry builds bigger and take on projects of greater complexity within shorter time frames, building efficiently and strengthening collaboration across the entire value chain will be mission critical.

Join us at the **BIM Summit by Trueventus** to get insights into how BIM will become the versatile tool to launch IDD shared platforms and standards to support the larger adoption of IDD solutions. Hear from AEC professionals compelling case studies about BIM's evolution to solve various industry challenges and its wider implication for business gains.

WHY YOU CANNOT MISS THIS EVENT

- Scale to new heights in BIM innovation and embrace digitization as the core driver of Construction 2.0
- Discover what it takes to achieve smarter and sustainable designs with a deeper understanding of BIM and its applications
- Drive further automation and efficiency of processes through consolidated data sources and integrated platforms
- Optimize workflows through active collaboration with other project stakeholders in data-sharing channels
- Learn about the greater role BIM will play in shaping future built environments in the region

WHO SHOULD ATTEND?

This event is targeted but not limited to:

- CEOs, CIOs, COOs
- Project, Managing & Operations Directors
- Asset, Engineering, Quality Control & Facility Managers
- BIM Managers
- Civil, Mechanical & Structural Engineers
- Architects and Design Consultants
- Contractors & Subcontractors
- Facility Owners & Operators

VPs/ Directors / Heads / Managers of:

- Construction
- Offsite Construction
- Offsite Manufacturing
- Project Management
- Offsite & Prefabrication
- Civil Engineering
- Structural Engineering
- Property Development
- Infrastructure
- Architecture
- Drafting Design

From the following industries:

- Engineering & Construction
- Manufacturing & Prefabrication
- Design & Architecture
- Project Management
- BIM Consultancy
- Government Administration

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FEATURING PRESENTATION AND CASE STUDIES BY DISTINGUISHED SPEAKERS



John Hainsworth
Chief Digital Officer
asBuilt



Aman Dalmond
CEO
Feel Virtual Reality Pty Ltd & Feel Digital Asset Strategy Pty Ltd, Victoria



Ken Lee
Group BIM Manager
Robert Bird Group, Melbourne



Brad Shales,
Studio BIM Manager
Nettletontribe, Sydney



Gert Van Aswegen
National Digital
Engineering Manager
Fullerton Hogan, Adelaide



Chris Tidswell
Principal
Arcadia, Sydney



Eddie Chen
Product Manager
MSI ANZ NB



Mickey Shehata
BIM Manager
EMF Griffiths, Sydney



Christian Dorst
Mng. Application Engineer | Director
AIPAL, Queensland



Ario Susanto
Digital Delivery Technical Lead
Jacobs, Perth



Matthew Boynton
Group BIM Manager
Floth, Queensland



Chris Steer
Capability Development Lead
WSP, Queensland



Richard Whitfield,
Associate Director
Taylor Thomson Whitting (TTW), Sydney



Sophia Wang
Construction Planner
Multiplex, Brisbane



Ton Dijkgraaf
Smart Technologies Solutions Lead
GHD, Sydney



Colby Gallagher
Digital Engineering Manager
Lindsay Dynan, Sydney



Rodd Perey
Principal
Architectus, Sydney

Day One: Wednesday 3rd March 2021

0800 Registration

0830 Opening keynote address

0900 Session One

Connected Construction – digitally enabling the construction site of tomorrow, today

- The great unlock is spatial intelligence.
- Getting started through digitisation of the existing assets.
- Mapping spatial data to the construction site through IoT.

John Hainsworth, Chief Digital Officer
asBuilt

0945 Session Two

Ensuring better compliance and preparedness for BIM usage through government-backed initiatives

- Highlighting the different levels of BIM and what is needed from the industry to move towards effective collaboration
- Reinforcing BIM as the key digital tool to reduce design inconsistencies and costly reworks downstream
- Build up BIM collaboration capability by defraying part of the cost incurred in training, consultancy, software and hardware

Ken Lee, Group BIM Manager
Robert Bird Group, Melbourne

1030 Morning break

1100 Session Three

Digital Engineering : Delivering a Rail Project

- Collaboration and data managing
- Laser scanning
- As-Built information

Gert Van Aswegen, National Digital Engineering Manager
Fullerton Hogan, Adelaide

1145 Session Four

Ultimate Workstation PC, Make Your Work Efficiency and Easy

- Using a 'single source of truth' to simplify the retrieval and tracking of project-critical documentation
- Pinpoint actual barriers related to data irregularities from the viewpoint of decision makers
- Understanding the influence of standardized data feed in driving consistent precautions against work issues

Eddie Chen, Product Manager
MSI ANZ NB

1230 Networking luncheon

1400 Session Five

Digitally Available: Establishing a digital content library of BIM models across projects

- Publish data in open industry standards to increase interoperability across platforms
- Gain access to good and verified content to save design and planning time
- Improve understanding of the expected performance of systems and how various components will work together to meet the occupants' requirements

Matthew Boynton, Group BIM Manager
Floth, Queensland

1445 Session Six

BIM in Prefab: Optimizing costs of material handling and integration of parts via BIM for smoother prefabrication process

- Master precise builds by incorporating BIM at critical installation stages on the prefabrication line
- Use fabrication-level 3-D files in a CAM machine to create building parts with accuracy and quality
- Direct complex and unique structure's physical designations by fitting to part's functional purpose

Richard Whitfield, Associate Director
Taylor Thomson Whitting (TTW), Sydney

1530 Afternoon break

1600 Session Seven

Closer Eye on the Assets: Integrating BIM into facilities management (FM) practice for better maintenance and control of building assets during and after construction

- Ease the process of installing automated tools for improved maintenance scheduling
- Extend the BIM model with a visualization tool that leverages interactive virtual reality (VR) for a 3-D walkthrough of the project
- Acquire ongoing returns from your BIM investment by enabling a highly efficient setup of a FM system for the life of the project

Ton Dijkgraaf, Smart Technologies Solutions Lead
GHD, Sydney

1630 Session Eight

Taking BIM to The Next Level: The next phase of visualization with digital twins

- Enable an integrated view of infrastructure assets below ground, on the surface, and above ground
- Provide a risk-free way of simulating construction, logistics and fabrication sequences with the supply chain
- Combine data from continuous surveys, photogrammetry, LiDAR and sensors to track assets on a virtual timeline

Rodd Perey, Principal
Architectus, Sydney

1700 Session Nine

Virtual Reality As Builts – 360 VR In Digital Twin & Digital Asset Management Database

- 4D & 7D BIM in Digital TWIN
- Advantages of 4D Planning
- 4D integration in the BIM Lifecycle

Aman Dalmond, CEO
Feel Virtual Reality Pty Ltd & Feel Digital Asset Strategy Pty Ltd, Victoria

1730 End of day one

Day Two: Thursday 4th March 2021

0800 **Registration**

0830 **Opening keynote address**

0900 **Session One**

"Sustainovation": The future of BIM in designing environmentally sustainable projects

- Drawing a holistic view of what is needed and when, while delivering the project requirements
- Focusing standardization of processes in transforming collaboration among project stakeholders and workers
- Highlighting increase in employee productivity and efficie

Brad Shales, Studio BIM Manager
Nettletontribe, Sydney

0945 **Session Two**

Building for People, with People: Improving project outcomes by facilitating the alignment of people, processes and technology across the entire IDD chain

- Reorganize the business to operate with a coordinated mindset through shared modeling and management
- Reinvigorate stakeholders' engagement in project quality by pursuing opportunities for utilizing BIM for Design
- Accentuate an integration of BIM that fosters a collaborative environment where knowledge, objectives, standards and specifications are shared seamlessly

Chris Tidswell, Principal
Arcadia, Sydney

1030 **Morning break**

1100 **Session Three**

Geo-Informed: Integrating BIM and geographic information science (GIS) technology to develop smarter and more efficient construction operations

- Blending a layer of geospatial context into BIM models for better insights into a project's wider location and orientation
- Eliminate front-end risks and reduce delays in the planning and permitting phases by understanding social, economic, and environmental impacts
- Optimize the dynamic data interchange between BIM, CAD and the geospatial information provided by GIS for reuse and repurpose in other contexts

Mickey Shehata, BIM Manager
EMF Griffiths, Sydney

1145 **Session Four**

The Digital Journey: Preparation and utilisation of the "Digital Twin" from concept to asset management

- Collect data from the project's surrounding area and environment to input into BIM for improved oversight
- Overlay geological information, topography surveys, drone reports of visual construction progress onto BIM models
- Ensure commercial scalability by solving sustainability issues through innovative BIM designs

Ario Susanto, Digital Delivery Technical Lead
Jacobs, Perth

1230 **Networking luncheon**

1400 **Session Five**

Lifecycle Management: Mitigating slow-delivery time and project schedule overrun using integrated BIM software

- Streamline processes along the value chain for agile project delivery by fully developing digital workflows
- Establish necessary contractual framework for an extensive level of collaboration between major project participants
- Employ 4D/5D sequencing in BIM and reality capture for visualization of the entire process of construction and cost estimates

Chris Steer, Capability Development Lead
WSP, Queensland

1445 **Session Six**

4D PLANNING – CONSTRUCTION COLLABORATION IN VIRTUAL WORLD

- Integrating schedules into BIM and the roadmap to a digital future for construction. Enable early decision making and issue detection through construction rehearsal (4D pre-construction workshop)
- Bringing stakeholders onto the same page through communication and Enable ownership sharing of programs among team members
- Case study : Queens Wharf Brisbane – How Multiplex adopted 4D planning as a key instrument to track onsite progress and safety

Sophia Wang, Construction Planner
Multiplex, Brisbane

1530 **Afternoon break**

1600 **Session Seven**

Using BIM and 3D-concrete printing for the digitalisation of the construction industry

- A useful process for producing the unique components that generative designs need
- Create solutions for delivering complex BIM designs by complementing or replacing conventional construction techniques
- "On demand" production of parts can drive sustainability and directly reduce material waste

(Speaker to be advised)

1630 **Session Eight**

The complete life-cycle of a HVAC system in a BIM project

- Provide Consistency between your P&ID diagram and the 3D BIM model
- Bring your 3D HVAC System to the next level of detail by using Fabrication parts and getting them ready for the CAM machine
- Keep the intelligence of your BIM model and continue to use it in the Facility Management

Christian Dorst, Mng. Application Engineer | Director
AIPAL, Queensland

1700 **Session Nine**

Augmented Reality in Construction

- What is AR, VR, MR? The hardware and software.
- Why AR is the best communication tool we have
- AR examples in real life projects
- A look at the bigger picture and how the world is shifting to AR

Colby Gallagher, Digital Engineering Manager
Lindsay Dynan, Sydney

1730 **End of conference**

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COMPANY DETAILS

Name	Industry
Address	
Postcode	Country
Tel	Fax

ATTENDEE DETAILS

1	Name	Job Title
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2	Name	Job Title
	Tel	Email
3	Name	Job Title
	Tel	Email
4	Name	Job Title
	Tel	Email
5	Name	Job Title
	Tel	Email

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