



## Digital Revolution In Construction -Unlocking BIM's Full Potential



13 & 14 March 2025 Cape Town





The construction industry is entering a new era of digital transformation, driven by the integration of Building Information Modeling (BIM), blockchain, data management and the Internet of Things (IoT). These innovations promise to revolutionise how buildings and infrastructure are designed, built, and managed. However, the industry still faces persistent challenges such as inefficiencies, cost overruns, sustainability concerns, and the need for better collaboration across complex project ecosystems.

BIM has emerged as a powerful tool to address these challenges by enabling smarter project planning, resource optimisation, and enhanced communication between stakeholders. As BIM continues to evolve, the integration of blockchain and IoT offers further opportunities to streamline construction processes, ensure transparency in project management, and create intelligent, sustainable buildings.

The "**Digital Revolution in Construction: Unlocking BIM's Full Potential**" conference serves as a cutting-edge platform for Spatial Planning, Architecture, Engineering, Construction, and Operations (SPAECO) professionals and academics to explore the latest advancements in BIM technology. This year's event will focus on how BIM, in tandem with blockchain and IoT, is reshaping the construction industry, driving efficiency, and promoting sustainable building practices. Topics will include the future of BIM software, sustainability initiatives, research and best practices for overcoming adoption challenges. The conference will also highlight research, case studies and real-world applications, showcasing the impact of digital technologies on the construction landscape. This event is an invaluable opportunity for SPAECO professionals and academics to connect, share knowledge, and discover how digital tools are unlocking the full potential of BIM, setting the foundation for a smarter, more connected future in construction

## Call for Speakers

BIM Technology Experts		
BIM Consultants and Implementation Specialists	Blockchain & IoT Specialists in Construction	Sustainability Consultants
Government and Regulatory Officials	Construction Project Managers and Contractors	Academic Researchers in Construction Technology
Legal Experts in Construction & Technology Contracts	Innovators and Entrepreneurs in Construction Technology	Representatives from Industry Associations

## **Event Organiser**



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# Topics

- Sustainability Initiatives in the built environment
- Emerging trends and Innovations in Construction Technology
- IoT for Smart Buildings
- Case Studies of innovative projects that leverage BIM effectively
- How blockchain is transforming construction management
- BIM in mining current and future potential
- The importance of interoperability in BIM and potential solutions
- Best practice in BIM to produce higher BIM models
- Key constraints to optimal and widespread implementation

- Sustainability and Green BIM
- BIM and IoT (Internet of Things)
- Extended Reality (XR) in BIM
   4D ED and CD BIM Advance
- 4D, 5D, and 6D BIM Advancements
  BIM for Facilities Management (FM)
- Cloud-Based Collaboration and Common Data Environments (CDEs)
- BIM Standards and Interoperability
- Digital Twin Integration
- BIM capability
- Cost of Investment in BIM
- Building safety
- BIM & Construction monitoring

### Sponsorship Opportunities

