



Aurecon Thailand: Pioneering Excellence in Digital Engineering through ISO 19650 Building Information Modelling Certification

Aurecon is an international design, engineering and advisory company with offices spanning Asia-Pacific. With a remarkable track record, Aurecon has been at the forefront of delivering innovative and sustainable solutions across various industries, including infrastructure, buildings, environment, energy, and digital sectors. Operating in 9 countries across Asia, Aurecon has established a significant presence in Thailand, where it has consistently demonstrated its commitment to quality and innovation.



Sanphawat Jatupatwarangkul

Digital Practice Leader
Aurecon Thailand

Overcoming Challenges

Achieving ISO 19650 BIM certification was not without its challenges. One of the primary hurdles was the limited implementation of ISO 19650 BIM systems in Thailand, compounded by the fact that the local regulation did not mandate this standard. Additionally, the varying levels of client maturity and the substantial learning curve for staff presented significant obstacles to overcome.

"Bringing our team on board with new processes and standards posed a major challenge," shared **Sanphawat Jatupatwarangkul**. "We had to invest considerable time and resources in training and upskilling our staff to ensure they were proficient in the new requirements."

The Strategic Move to ISO 19650

The decision for Aurecon to pursue ISO 19650 BIM certification was driven by a clear business strategy aimed at standardising and optimising workflows. "Adopting ISO 19650 BIM certification has significantly raised our profile within the industry and among our clients," **Sanphawat Jatupatwarangkul**, Digital Practice Leader from Aurecon explained. "It serves as concrete evidence of our consistent and leading digital practices, demonstrating our digital capabilities, innovation, and enhanced delivery efficiency that align with international benchmarks."

Spearheading the ISO 19650 BIM certification process for Aurecon Thailand, **Benyatip Manajitt**, Lead Consultant Digital said, "Setting up an Information Management Network was the starting point toward employing information management over the entire Lifecycle of built assets using BIM. This helped streamline our information delivery processes."

Aurecon's strength lies in how they bring together their design, engineering and advisory capabilities to provide their clients with integrated solutions across the entire asset lifecycle. From shape and plan – design and deliver – operate and optimise – to close and transform. Aurecon designers, engineers, scientists and advisors work with their clients across markets and asset types, to tackle some of the world's most complex challenges.

Tangible Benefits and Improvements

Despite these challenges, the benefits of ISO 19650 BIM certification have been substantial. Aurecon Thailand has significantly enhanced its brand reputation regarding information management and standardisation. This certification has enabled the company to showcase its capabilities and the high quality of delivery, attracting clients who specifically value its robust internal information management system.

The implementation of ISO 19650 BIM certification has resulted in more efficient and standardised ways of working, reducing risks through meticulous planning and gaining a better understanding of client information requirements. Furthermore, it has fostered the development of information management skills in a region where such expertise is still burgeoning.



Benyatip Manajitt
Lead Consultant Digital
Aurecon Thailand

Employee Empowerment and Organisational Growth

Staff at Aurecon Thailand have experienced the positive impact of this certification. The standardised ways of working have increased efficiency, while the comprehensive planning processes have mitigated risks. Staff have also benefited from enhanced information management skills, which are becoming increasingly valuable in the digital age.

"Our Information Management Network consists of team members who have completed the ISO 19650 BIM basic course," **Benyatip Manajitt** elaborated. "Over 200 Aurecon staff members in Thailand are required to complete a basic internal digital practice course to ensure everyone adopts and is aware of Aurecon's Project Information Management Standards. Particularly, the Information Management Network across all business segments is dedicated to completing ISO19650 training courses."

Looking Ahead: Future Developments

Aurecon Thailand is not resting on its laurels. The company plans to continue re-certifying and demonstrating its evolving maturity in information management. Addressing shortfalls identified in BSI's reports is a priority, alongside upskilling more employees from specialist BIM practitioners to delivery staff.

The company also aims to expand its internal requirements to include a broader range of projects, showcasing a wider variety of applications.



"Implementing BIM according to ISO 19650 standards marks a significant milestone for Aurecon, showcasing their unparalleled digital engineering expertise in Thailand. This achievement not only underscores their commitment to innovation but also sets a benchmark for the industry, reflecting Aurecon's leadership in shaping the future of built environment practices." - **Jonathan Breton, Global Director Built Environment, BSI**

A Legacy of Excellence with BSI

Aurecon Thailand has a long-standing relationship with the British Standards Institution (BSI), dating back to its initial ISO9001 Quality Management Systems certification in 1993. This certification has underscored the firm's dedication to maintaining high-quality management systems. More recently, in 2022, Aurecon Thailand became the first organisation in Thailand to achieve ISO 19650 Building Information Modelling (BIM) certification, further receiving the Kitemark for this accomplishment. This certification is a testament to Aurecon's leadership in information management and digital engineering. To maintain this certification, Aurecon undergoes ongoing annual assessments, ensuring continuous compliance with the highest standards of information management

The Role of BSI in Aurecon's Journey

BSI has played a pivotal role in Aurecon's journey towards ISO 19650 BIM certification. As a trusted partner since 2015, BSI has provided consistent and expert auditing services across multiple sites, ensuring a uniform approach to certification. "Feedback from BSI is taken very seriously," **Benyatip Manajitt** emphasised. "It is reported to leadership and delivery teams, and any shortfalls are road mapped for improvement."

The Benefits of Collaborating with BSI

Working with BSI has brought numerous benefits to Aurecon Thailand. The credibility of the BSI brand, combined with its wide industry experience and detailed knowledge of ISO standards, has been invaluable. BSI's expertise in BIM, digital engineering, and asset management has provided crucial guidance, helping Aurecon navigate industry standards and regulations.

Aurecon Thailand's pursuit of ISO 19650 BIM certification, with the support of BSI, has solidified its position as a leader in digital engineering and information management. This journey has not only enhanced the company's operational efficiency and brand reputation but also equipped its employees with vital skills for the future. As Aurecon continues to innovate and expand its capabilities, its commitment to excellence remains unwavering.

Why BSI?

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Benyatip Manajitt

Lead Consultant Digital, Aurecon Thailand
She led the ISO19650 Audit process for Thailand office.

