



For Immediate Release

LeapThought announces OCTAGRAM, a new service of FulcrumHQ which augments machine intelligence into the complex infrastructure lifecycle

LeapThought, an enterprise company that builds next generation and deep tech solutions for AEC and Productivity, announces the launch of OCTAGRAM. OCTAGRAM, powered by their game changing computational BIM engine, is a new service of their flagship product FulcrumHQ that augments cutting-edge machine intelligence into the complex infrastructure lifecycle and traditional Building Information Modelling (BIM) practices. It empowers organizations to maximise profitability, efficiency, and accuracy, while enabling them to build once, and build right.

Despite the high rate of BIM adoption across the Architecture, Engineering, and Construction (AEC) industry, the actual benefits realised are limited compared to its full potential. This is largely attributed to the inefficiency and difficulty of manually checking the quality of BIM data which only increases with larger and more complex models.

Poorly reviewed and uncoordinated BIM models can result in catastrophic financial and productivity risks downstream during the construction or operation phase of the asset's lifecycle. These risks include abortive work due to clashes between building elements or non-compliance with authority regulation and in more extreme cases, health, and safety risks, especially if structural stability is compromised in the process. Therefore, the need to thoroughly check BIM data is no longer merely a "best practice" but a necessity that is critical to the successful construction and operation of the building.

FulcrumHQ addresses this via OCTAGRAM and future-proofs projects by bringing human and machine intelligence together to enable experts to do what matters most, which is to plan, design, build, commission and operate tomorrow's inclusive, sustainable, and reliable infrastructure.

Design, constructability, and compliance quality control which traditionally were assessed through paper or 2D drawings are now being achieved through FulcrumHQ's machine-based computational checks across a wide range of regulatory sectors such as sustainability, environment, fire code, capacity, purpose and use of infrastructure and spaces, building code, discharge, and consumption of resources, sanitary and waste. The platform brings together the broader ecosystem, helping them stay connected, informed, and unlocks value in all contexts that are relevant to them in their everyday design, construction, commissioning, and operational needs.

The stakeholders in the ecosystem that LeapThought works with, and who benefit from FulcrumHQ, include:

- Federal, State, Regional Government Asset Owners, and Operators
- Construction Companies and Sub-Contractors
- Architecture, Engineering and Consulting Firms
- Joint Ventures, Special Purpose Vehicles and Alliances
- Maintenance and Service Providers
- Equipment, prefabricated, and precast Manufacturers
- Federal, Regional and Local Regulatory Authorities
- Commercial Asset Owners and Operators

"AEC firms today want to provide their employees with contextual, intelligent, and intuitive ways to ensure quality in BIM models," said Ratnakar Garikipati, CEO and Founder of LeapThought. "We believe there is a huge gap that legacy software doesn't address. Those in the AEC industry need to be empowered with a state-of-the-art platform that provides the flexibility to engage with complex BIM models, with the assurance of robust quality control. We are excited to launch a game-changing offering with unique capabilities that pushes the boundaries of BIM while enabling organisations to maximise the return on investment and value derived from BIM processes."

About LeapThought

LeapThought is an enterprise company that builds next-generation and deep tech solutions for AEC and Productivity, with operating companies in Auckland, Sydney, Singapore, India, and the US. In Singapore, LeapThought has become the leading Integrated Digital Delivery (IDD) and Building Information Modelling (BIM) platform and solutions provider, establishing strategic partnerships with Amazon Web Services, Microsoft, Accenture, and NTT Data. For more information, please visit www.leapthought.com

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