



Event Two: AI for Generative Design, Planning and Early-Stage Decision Making.



Event 2 focuses on the early stages of the project lifecycle, where decisions lock in the majority of cost, carbon, programme duration and buildability outcomes. It is here that AI can add value quickly – not by replacing design thinking, but by enabling teams to explore more options, test assumptions earlier and improve transparency for clients and stakeholders.

The event explores AI-supported optioneering, generative design workflows, and planning/constrain analysis. It considers how AI tools can support concept iteration, massing studies, site analysis and stakeholder communication. It also explores how planning and policy information can be interpreted and queried more efficiently using NLP tools – potentially improving consistency and reducing uncertainty.

The scope includes the implications for architects, structural engineers and MEP engineers, including early-stage system selection, performance exploration and coordination. Sustainability and carbon are embedded throughout, showing how early signals (even if approximate) can inform better decisions.

Importantly, the event addresses validation: how to test, verify and responsibly use AI outputs; how to manage intellectual property; and how to ensure that professional judgement remains central. The session closes with guidance on practical adoption pathways for design and engineering practices, planning teams and clients.