Role Summary

This is a key leadership role the Environmental Engineering Group, overseeing the Digital Engineering strategy and implementation.

This includes managing and mentoring the BIM team in the delivery of projects, and the technical upskilling of the entire group in BIM processes. You will be the single point of contact in the Group for all Digital Engineering related activities.

Role Definition

Job Title: Environmental Engineering Digital Engineering Lead
Reporting To: Partner on a day-to-day and ultimately the Senior Partner

Responsibilities

- Contribute, or otherwise assist, as required.
- Equity, diversity & inclusion (EDI) is a core priority. To support and champion the embedding of this focus as a collective workforce responsibility, EDI should be integrated, where relevant, into all workstreams.
- Thorough knowledge of and compliance with Foster + Partners procedures and standards.
- Develop a Digital Engineering strategy for the Group, with clearly defined goals, milestones, and resource requirements.
- Drive innovation related to Digital Engineering for the Group by identifying opportunities for optimisation, automation, artificial intelligence, leading R&D initiatives, and managing software pilots to deliver impactful digital solutions.
- Work with technical leads across the Group to identify opportunities and challenges in the digital landscape, and develop action plans to bring about improvement relating to BIM tools and associated workflows.
- Oversee digital workflows, technology integration, and information management for the Group
- Adopt and promote a collaborative MEP-first approach to digital standards and procedures that complement architectural workflows.
- Ensure Foster + Partners' digital standards, procedures and workflows are implemented consistently across projects.
- Curate and align QA/QC processes, including structured model reviews across all projects
- Lead and manage the BIM team in the delivery of MEPF design documentation.
- Oversee BIM production planning, forecasting, and staff utilisation, ensuring efficient delivery across projects.
- Ensure the delivery of coordinated, high-quality Revit models, data, reports and drawings that meet Foster + Partners' standards and best-practice procedures.
- Provide technical leadership for BIM within the Group and across Foster + Partners.
- Foster and strengthen collaborative relationships with the central team, representing the Group's best working practices.
- Work closely with other Digital Practice Leaders across the business to drive technology adoption and enhance engineering workflows.
- Liaise with Client BIM representatives and wider project stakeholders to manage expectations around coordination, data exchange and consistent delivery throughout the project lifecycle.
- Respond to RFPs and support bids by defining BIM scope (EIR/OIR/AIR), collaborating with the Group and other Studios.
- Provide mentoring, technical coaching, and oversight of BIM and Digital Engineering training programmes across the Group to elevate capability and knowledge levels.

- Ensure all projects comply with BIM contractual requirements and minimise risk to Foster + Partners.
- Network internally and externally to monitor industry trends and ensure the Group remains a leader in Digital Engineering.

Qualities and Skills Required

- Able to demonstrate ability to undertake the above responsibilities.
- Legally able to work in the country in which the position is based.
- Excellent organisational skills.
- Able to manage sensitive and sometimes confidential information.
- Self-motivated and able to take responsibility.
- Able to demonstrate initiative and a proactive approach to daily tasks.
- Good interpersonal skills and able to work independently and as part of an effective team.
- Flexible attitude.
- Able to build good relationships at all levels, internally and externally.
- Resilient to cope with conflicting demands, able to prioritise duties and work effectively under pressure.
- Able to work as part of an effective team assisting and supporting team members.
- High knowledge of information management standards (BSEN ISO 19650) and protocols.
- Must have experience in leading MEP BIM teams on large-scale projects in Revit and associated technologies.
- Experience in utilising common data environments for programme and project information management.
- Strong business analysis and problem-solving skills to develop and deliver tailored solutions for organisations.
- Developing information management tools such as TIDPs, MIDPs and BEPs.
- Performing project management activities, including planning, scheduling, and monitoring project progress.
- Understanding of COBie implementation and handover processes to ensure compliance with industry standards.
- Knowledge of metadata management and information classification.
- Qualified as a Chartered Engineer.
- In depth knowledge of the latest version of Revit, AutoCAD, Navisworks with experience of running clash detection as well as producing clash reports.
- Ability to use a variety of media in the development and documentation of a design project.
- A flexible and open attitude towards new ways of working and commitment to independent, lifelong learning.
- Excellent communication skills, both written and verbal.
- Self-motivated and able to demonstrate initiative and a proactive approach to daily tasks and in response to direction or instruction.
- Good interpersonal skills and able to work independently and as part of an effective team, and to effectively interact with clients and stakeholders.
- Able to build good relationships at all levels, internally and externally.
- Resilient to cope with conflicting demands, able to prioritise duties and work effectively under pressure to meet deadlines efficiently and effectively.

Desirable

- Experience in working on Major Infrastructure Programmes.
- Knowledge of Dynamo for Revit and the ability to read and write scripts.
- Knowledge of Rhino, Grasshopper, Enscape, V-Ray, Bluebeam, and BIM360.
- Previous experience with BIM projects on site and with mobile technologies used on site.
- Ability to use some of the following: Photoshop, Illustrator, InDesign, Office 365 BIM Qualifications: BRE, RICS, or similar.

This description reflects the core activities of the role but is not intended to be all-inclusive and other duties within the group/department may be required in addition to changes in the emphasis of duties as required from time to time. There is a requirement for the postholder to recognise this and adopt a flexible approach to work. Job descriptions will be reviewed regularly and where necessary revised in accordance with organisational needs. Any major changes will be discussed with the postholder.