

Innovation & Virtual Design and Construction Engineer

Title	Innovation & VDC Engineer
Division Group	Innovation Services
Office Location(s)	East Peoria
Offices Supported	All Locations
Reports To	Innovation & VDC Manager
Direct Reports	N/A

Summary:

The Innovation & VDC Engineer will be an integral part of both the New Work & Pursuits and Operations teams. Supporting the efforts to streamline the integration of technology into design, preconstruction, and construction phases of a project using 3D modeling, 2D drawings, as-build, and submittal/coordination drawings.

Responsible in supporting innovation for the organization through the correct software, processes, and relationships. Managing all VDC tasks, including training and coaching of team members from all departments as necessary to uphold the integrity of the project. This position serves in a companywide capacity, as such, ensuring all offices and teams are receiving adequate support though excellent communication, as needed.

Key Functions:

- Develop the skills to be proficient in the BIM clash detection process working with subcontractors using Autodesk Navisworks and have the ability to generate clash reports.
- Develop detailed design models using REVIT, TEKLA and AutoCAD software.
- Possess an aptitude for working in a fast-paced, dynamic, and multi-project environments
- Active participation in client relationships, providing timely services that meet needs and schedule requirements, and involvement in communications between RCC and clients as necessary
- Support any ad hoc VDC projects that arise from Operations/New Work & Pursuits Team
- Analytical within project development of any potential blind spots to both rational building practices as well as safety concerns
- Develop detailed layout files using TRIMBLE Business Center and other industry software.
- Develop models to establish detailed coordination plans for self-perform scopes (concrete, masonry, steel erection, etc.)



- Contribute to site logistics with an educated understanding of the project from available design/drawing information, communications with construction team, MEP engineers, designers, subcontractors, or other means necessary.
- Manage BIM coordination (suggest sub-contractor and consultant models, could be HVAC, piping, structural, civil, etc.) using subcontractor input to identify clashes and resolve issues.

Qualifications:

- 4-Year Degree Preferred
 - Construction Management, Architecture, or Civil Engineering Focus
- 3+ Years' Experience in similar field
 - Construction industry knowledge required – ability to read and interpret both construction plans and appropriate business documents such as contracts
- Critical thinking and values-driven mindset with a strong focus for efficiency and high attention to detail. Innovative in all concepts and processes with a curiosity to drive improvements and solve problems.
- Software skills preferred: CAD, Revit, Navisworks, Tekla, Trimble Business Center
- General office conditions for day-to-day work

Benefits:

- Employer paid Medical & Dental Benefits
 - Elective benefits available also: Vision, FSA, AD&D, Additional Life, etc.
- 401k with company match
- Vacation, Paid Holidays, and PTO
 - Leaves of Absence included additionally
- Tuition Assistance Program
- Annual company performance bonuses

This job description in no way states or implies that these are the only duties to be performed by the associate(s) incumbent in this position. A review of this job description has excluded the marginal functions of the position that are incidental to the performance of the fundamental job duties. All duties and responsibilities are essential job functions and requirements and are subject to possible modification as necessitated by business demands. To perform this job successfully, the incumbent(s) will possess the knowledge, skills, and abilities to perform each job duty proficiently. The requirements listed in the document are the minimum levels of knowledge, skills, or abilities.



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This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation, and training.

Associate received: _____

Department manager: _____

Human resources: _____

Submitted on: _____