

Virtual Design & Construction Engineer Woodland Hills, CA

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Company: JBA International

Location: Australia

Category: other-general

An established construction company in Woodland Hills is looking for a Virtual Design & Construction Engineer

POSITION DESCRIPTION:

The VDC Engineer is responsible for virtual construction needs in Preconstruction, Construction

Operations and Consulting/Litigation Support Services departments. The VDC Engineer is a power-

user of all of our VDC software programs. The position requires a self motivated, open-minded and dedicated individual who is willing to take on new challenges.

The VDC Engineer is based in Woodland Hills, CA, but travels to jobsites and partner offices as

needed and may work out of jobsites as required. The position reports to Virtual Design & Construction

Coordinator.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Develop and coordinate 3D object-oriented models

Create 5D visual simulations incorporating BIM+TIME+COST using Navisworks or Synchro

Perform clash detections

Perform 3D scanning using Trimble 3D scanner and Layout of work using Trimble

Robotic Total Station

Process actual job cost, model based quantity report, model based quantity take-off and actual schedule information back into the model for as-built project control, risk analysis and historical reference

Create Formwork and concrete lift and placement drawings for horizontal and vertical control and general assembly drawings

Support Preconstruction and Business Development efforts as requested by creating photorealistic Imagery using Artlantis and other rendering engines

Perform project document management (RFIs, submittals and PCOs, NOC, etc.)

Process raw 3D point cloud scan files in software suites such as Trimble REALWORKS, Scene, Rythm or similar software and produce registered files

Produce as-built models based on the scan files using Trimble REALWORKS or similar software and/or TEKLA Structures

Convert and correct building model files or 3D scanned point clouds as needed to create rapid prototype 3D printable objects using Materialise Magics and SpaceClaim

Perform completeness and constructability reviews under supervision and issue and manage RFIs

QUALIFICATIONS (MINIMUM SKILLS OR EXPERIENCE REQUIREMENTS):

Minimum Bachelors degree in architecture, engineering or construction related field or equivalent work experience

2+ years in building or design industry preferred, but not required.

Understanding concepts of VDC or BIM

Exposure to and preliminary experience with some Building Information Model (BIM)

systems (i.e. Autodesk Revit, Bentley, Vico Constructor, TEKLA, Synchro, Navisworks, Sketchup and similar software suites) required

Excellent computer skills, including high level of proficiency in MS Office, Adobe Acrobat and BlueBeam

Strong personal management skills, dedication, organization and open-mindedness required

Creative thinker with ability to work in a close knit environment

Other duties as may be assigned by supervisors

Salary: Up to \$110k a year (dependent on experience)

#J-18808-Ljbffr

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