

CS21187

Utilizing Revit for the Field

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Learning Objectives

- Understanding the Importance of Parameters to leverage the use of Revit
- Understand differences in Designer Models vs Construction Models
- Understand the importance of modeling field elements
- Understand phasing through modeling for logistics
- Understanding the difference between GC Estimating and Subcontractor Estimating and how to push models to the Subcontractor levels of detail.

Description

Leveraging Revit for the field is the key for fully implementing BIM/VDC in the construction industry. By examining some landmark project such the Miami All Aboard Station, Hard Rock Hollywood and other projects, attendees will learn the importance of fully modeling outside conditions, cranes, formwork and other construction related activities to understand constructability and how this impacts costs and schedules. Bringing the models to the field does not stop at coordination, and by correctly modeling how work is placed and utilizing parameters modelers can provide extremely detailed quantities and approaches to the field and estimating at a subcontractor level. This class will also demonstrate the importance of estimators getting involved in the modeling process. Back with examples from landmark projects, the course will show how a model-base takeoff methodology is more accurate and more efficient than traditional estimation methods.

Overview:

Parameters: Why are Parameters so important to use, the value they bring to leverage the information contained within Revit and how these Parameters play a part in utilizing other programs

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Estimating: Why is General Contracting and Subcontracting Estimates different and how can Revit be used to close the gap between the two.

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Christophe Jones is the BIM/VDC Manager for Suffolk Construction's Southeast Region, overseeing the modeling and coordination process for all projects and opportunities. Mr. Jones has over 10 years of experience utilizing Revit as a Quantity Survey tool, as well as modeling for construction means and methods throughout the country. Additionally, Mr. Jones has managed the modeling and coordination process on large scale projects such as the current All Aboard Florida MiamiCentral Station and the recently completed Brickell City Center project. With experience in the construction industry spanning over 20 years, Mr. Jones has worked in all aspects of the industry from Laborer to Director of Preconstruction which has provided him with a well-rounded perspective to positively affect modeling efforts.

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