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Agile Construction: How Virtual Last Planner Input Is Optimized by Artificial Intelligence.

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Learning Objectives

- Understand the unique benefits of agile project management
- Discover the application of immersive interfaces for project teams (AR/VR)
- Understand the power of AI as it pertains to construction scheduling [
- Understand the ramifications of a truly engrained project information system

Description

Building Information Modeling is now tangible to every member of the project team, and this has extensive ramifications. Now that project managers, superintendents, virtual design and construction (VDC) engineers, and foremen are all planning with a BIM (Building Information Modeling) medium, construction can truly move into the information age. By embracing the principles of the last planner system, utilizing the interfaces of VDC, and employing the power of artificial intelligence, Grit Virtual is re-engineering not only how project teams interact with each other, but also how projects are delivered. Co-founder and CEO Chris Callen will introduce the Grit Virtual methodology, explore learned lessons from pilot projects, and share the Grit team's vision for what comes next.

Speaker(s)

During his stint as a 2nd-generation Construction CEO, Chris Callen launched Grit Virtual, a novel construction scheduler aimed at resolving scheduling challenges plaguing construction projects around the world. Joining the team quickly after incorporation, Ben Burrus manages the entirety of Grit's engineering team. Grit attacks project planning and management inefficiencies with centralized virtual planning, algorithmic scheduling, and a decentralized feedback loop in order to replace human biases and limited perspectives with unforeseen project scheduling opportunities.

Overview:

Grit Virtual is Project Planning at all granularities. From a high-level Master Schedule down to daily work packages, Grit introduces interfaces for all project team members, Scheduler to Foreman. Based on the planning operation, Grit employs waterfall, Lean and Agile methodologies in one central software. With the introduction of the Last Planner to 4D work packaging, we are excited at what newfound data can be captured and executed upon.



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