Drone Mapping and VR as a BIM Productivity Enhancing Effort

Amr Raafat | Director of Virtual Design & Construction
Windover Construction
Agenda

Drone Mapping Capabilities

- Transforming Modular Construction
- Drone Mapping + Laser Scanning
- Virtual Reality + Drones + Laser Scans
DRONE MAPPING

TRACKING SITE PROGRESS

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DRONE MAPPING

FIELD MEASUREMENT SUPPORT

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DRONE MAPPING

INSPECT HARD TO REACH AREAS
Agenda

Drone Mapping Capabilities

Transforming Modular Construction

Drone Mapping + Laser Scanning

Virtual Reality + Drones + Laser Scans
Novel combinations of BIM, laser scanning and drones is improving on-site coordination of this mixed-use modular project.
Agenda

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Drone Mapping Capabilities
Transforming Modular Construction
Drone Mapping + Laser Scanning
Virtual Reality + Drones + Laser Scans
LIGHT STUDY
DRONE MAPPING + VR
LASER SCANNING + DRONE MAPPING

COORDINATION MODELS OVERLAY WITH CAPTURED SITE WORK
MIXING REALITY ON SITE
VIRTUAL DESIGN & CONSTRUCTION

Because Seeing is Believing!
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