BLOBAL CONSULTING SURVEYORS

Technology Integration for Complete BIM Implementation



JP Kelly Principal Client Manager



murphy Who are Murphy Surveys?









96% masters, degree or diploma qualified



35 years in business



500+ BIM models produced



1st for laser scanning in Ireland













First we must choose the right way to capture your data....





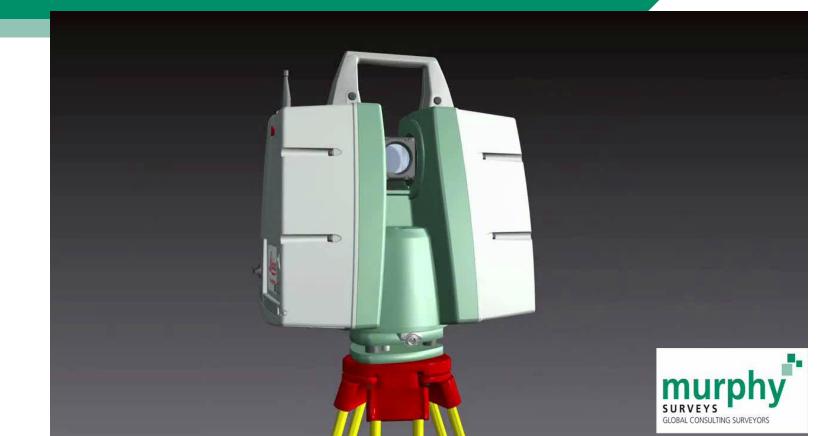
murphy Data Capture

- Aerial/ Drone Survey grade capture
- Laser scan and Total Station Surface capture
- Ground Penetration radar and Sub surface capture



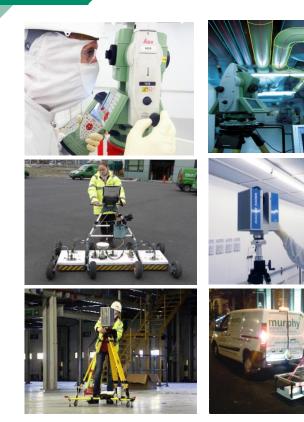






survey to BIM

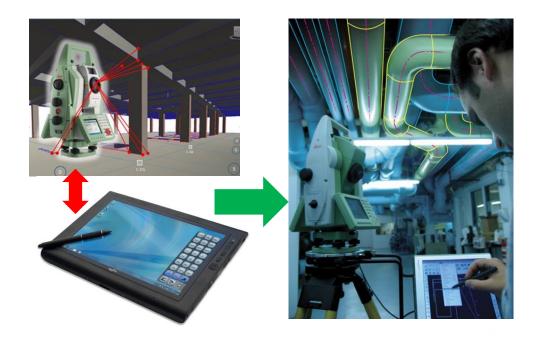
- Aerial, Surface and Sub surface Digital 3D Data Capture
- Rapid collection of Survey Data using the most suitable equipment for the task
- Accurate to Defined Tolerances
- Scalable
- Flexible/ tailored deliverables





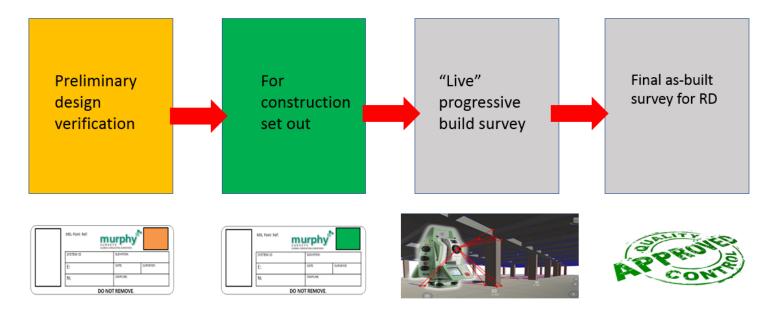
BIM to Field

- Bring model or design file to site and build with confidence and accuracy
- "Live" on site checking as you build
- Immediate model check & update
- Produce instant isometric drawings



BIM Validation

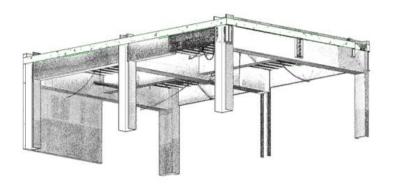
BIM Validation workflow



murphy BIM Validation

BIM Validation

- Visual Clarity and Understanding for complex projects
- Fit Struct/MEP objects to Point Cloud automatically.
- Structural Analysis.



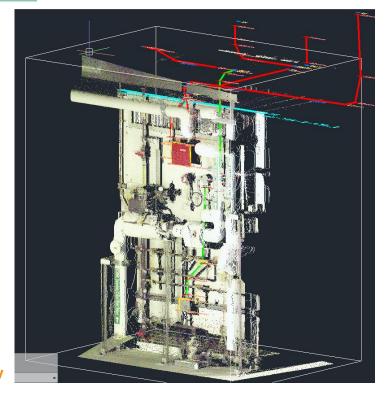






Field to **BIM**

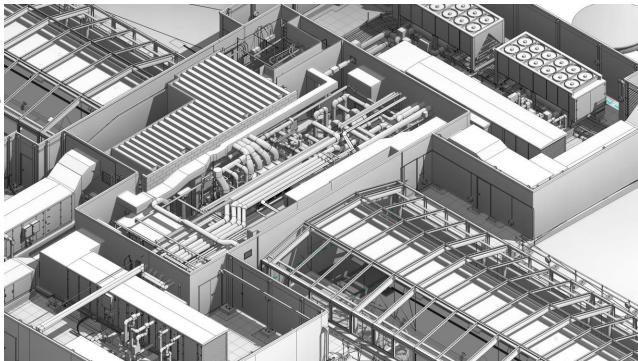
- Fast & Accurate as-built with reduced processing time
- Quick delivery and upload to BIM
- Smaller, easy to handle CAD files
- More focussed and efficient survey
- Office based modellers receive clear and concise data quickly
- Reduced modelling hours



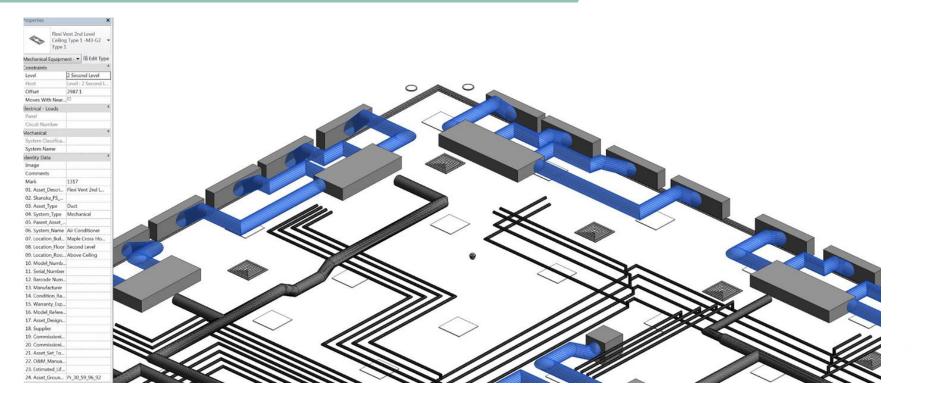


- Recent example of LOD 500 survey
- Utilisation of various survey methods: Terrestrial and Mobile Laser Scanning, UAV, Topographical, Utility and BIM Meta data

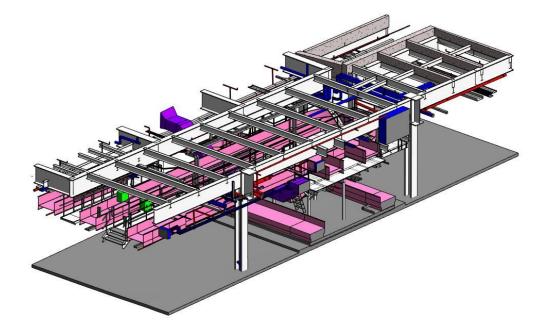


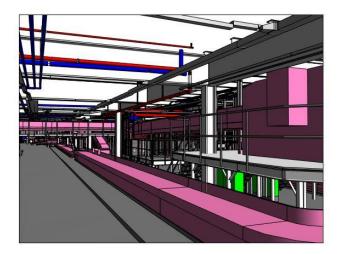






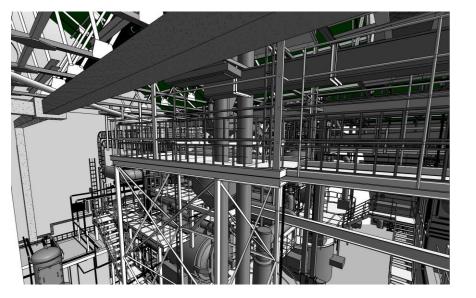


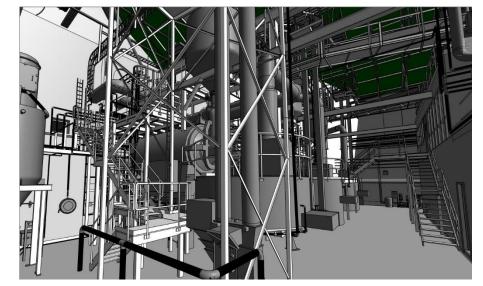




















Recent Pharma projects- 2x videos



murphy Other BIM related services

- Site control networks
- Setting out works
- 3D Model and data coordination
- Placement of BIM/ Revit/ MEP Modellers
- MEP validation surveys
- Aerial/ drone surveys- inspections, volume analysis, cut/fill reports
- High definition Tank scanning







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