Continuous Representation of Reality

Coverage at all scales from the same toolbox

Andrew Evans
Overview

- What is Mass Data Collection?
- Why is it important?
- How Topcon can deliver?
- Products
- Case Studies
Mass Data Collection

- Advances in technology
- Broadening market
- Requirement to capture fully realistic data
- Easy combination of data sets
Survey

Set-out

Design

Analyse

Update

Survey

BIM
Survey?
Tripods
Mass Data Collection – Rapid Modelling
Mass Data – GLS-2000
Automobiles
IP-S2 Compact+ components

- GNSS
- 360° Digital camera 30 M pixels
- 3 or 5 Laser Scanners
- Interface for Data Logging Software
- Non ITAR IMU (Inertial Measurement Unit)
- Odometry Data from External Wheel Encoders
Mass Data – IP-S2
Planes

- Sirius Pro
Sirius Pro

- Powered by MAVinci
Not as we know it......
Mass Data – Sirius Pro
Mass Data - GLS-2000 and IP-S2 Data
Mass Data - Combined
Mass Data – All Data combined
Heritage Example – Mass Data Collection
Update the Project Stakeholders
The Model in Revit
MAGNET™ 2

Now v2.5 Update Available

Enterprise
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Field
Learn more

Office
Learn more