

Photogrammetric Innovations for Industry Applications

How Image Data and BIM will Modernize the Construction Industry

56th Photogrammetric Week, Stuttgart 2017

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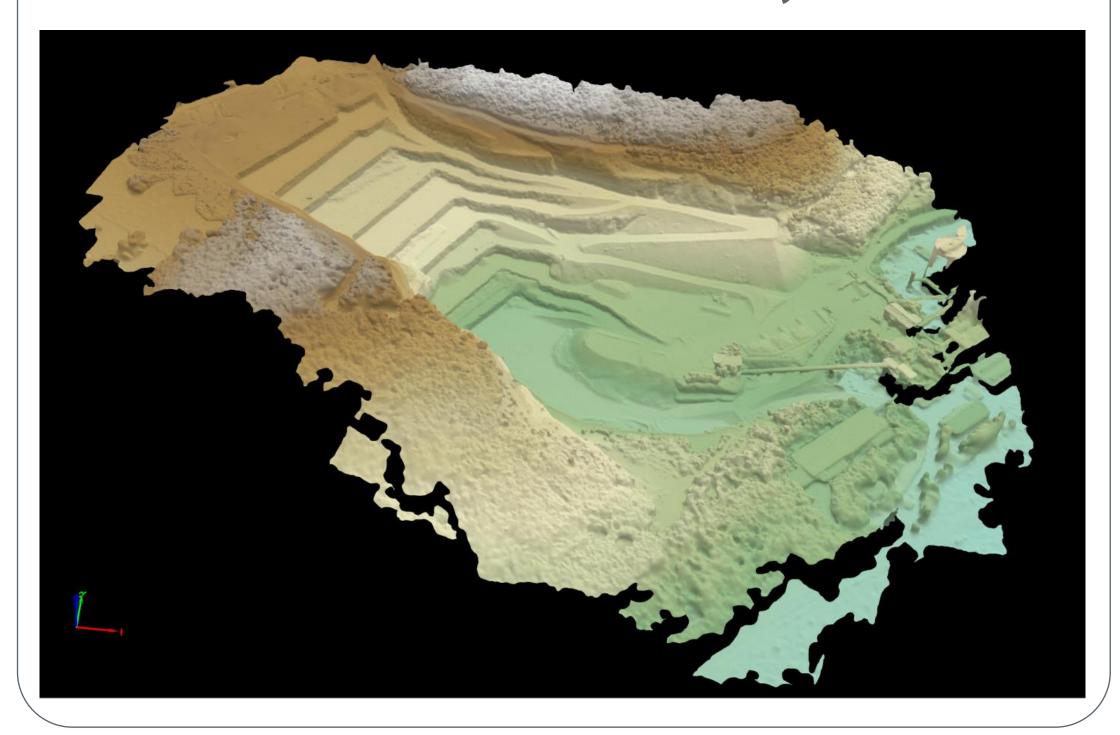


AND 2D ORTHO-PHOTOS FOR CAD/GIS COMPATIBILITY



OUR CONSTRUCTION CUSTOMERS ARE USING DRONES TO CAPTURE INFORMATION ABOUT THE SITE

3D model for earthwork measurement and analysis



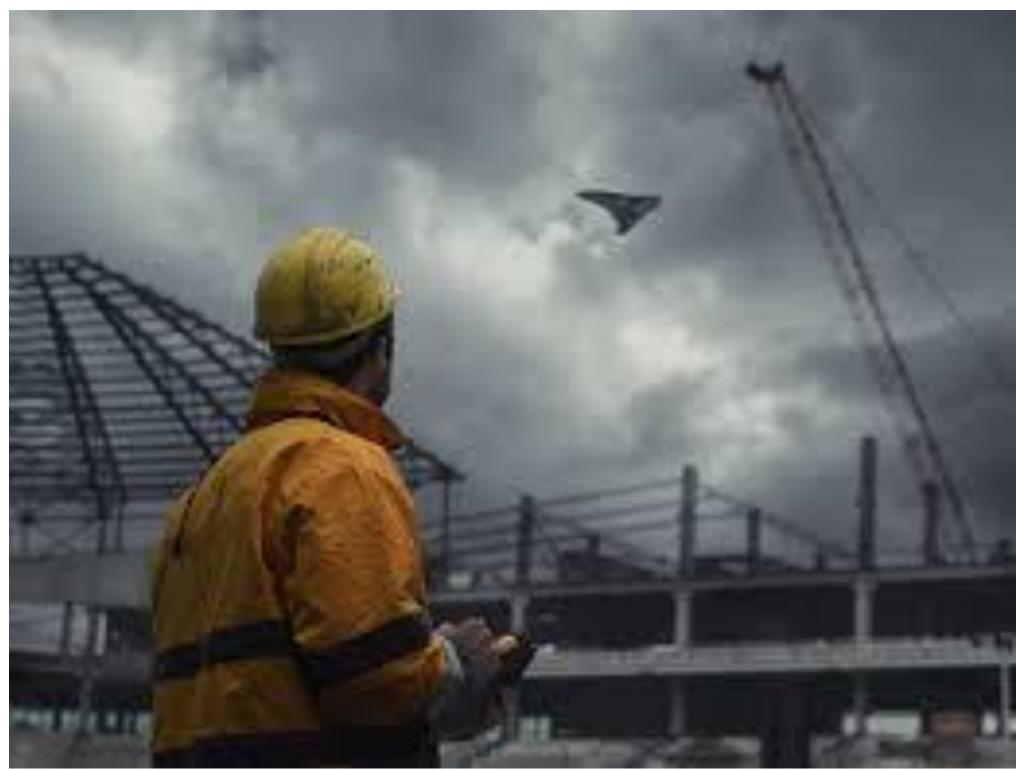
Ortho-photos for site visualisation and construction progress monitoring





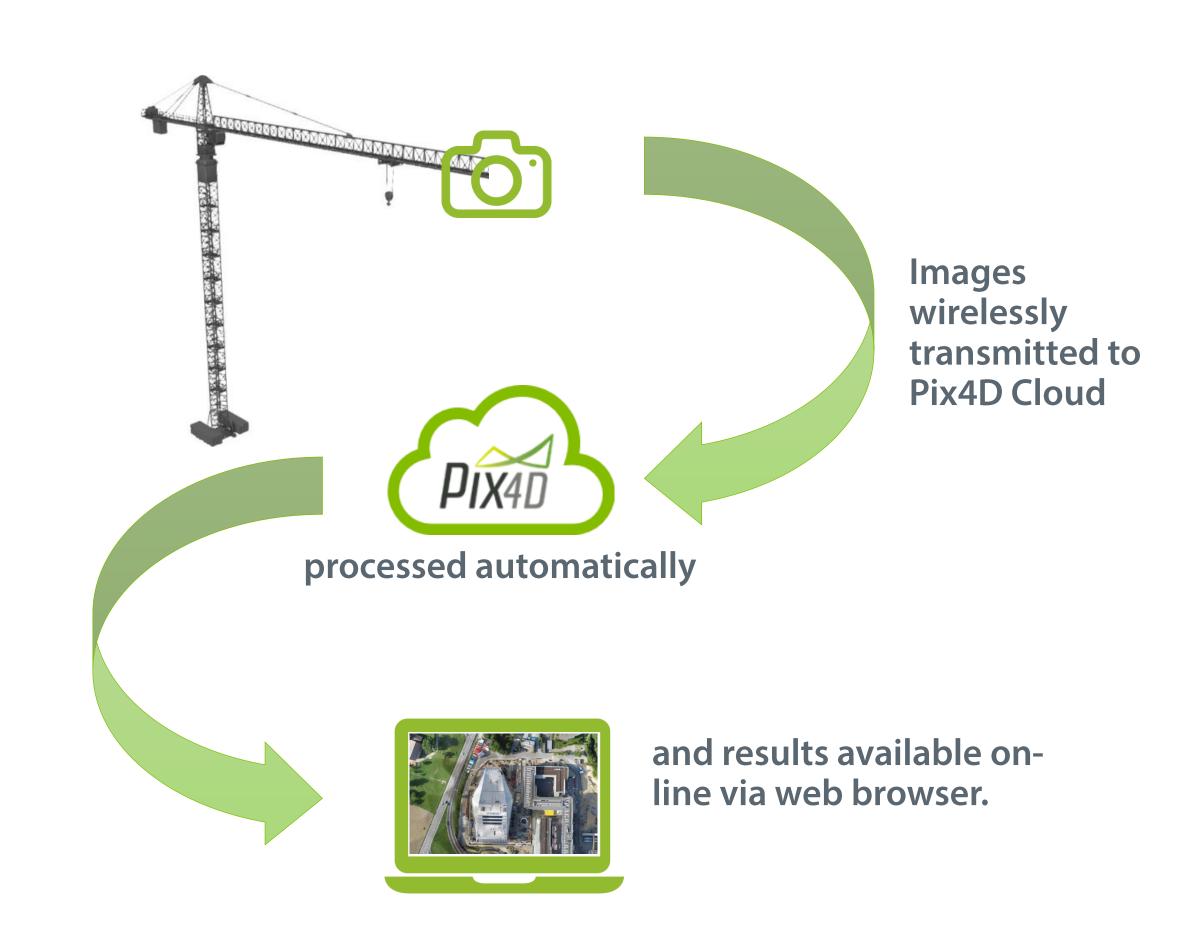
BUT IT IS NOT ALWAYS EASY TO FLY A DRONE ON SITE EVERYDAY





SO WE HAVE DEVELOPED A CAMERA SYSTEM THAT ATTACHES TO THE TOWER CRANE AND CAPTURES IMAGES FROM THERE

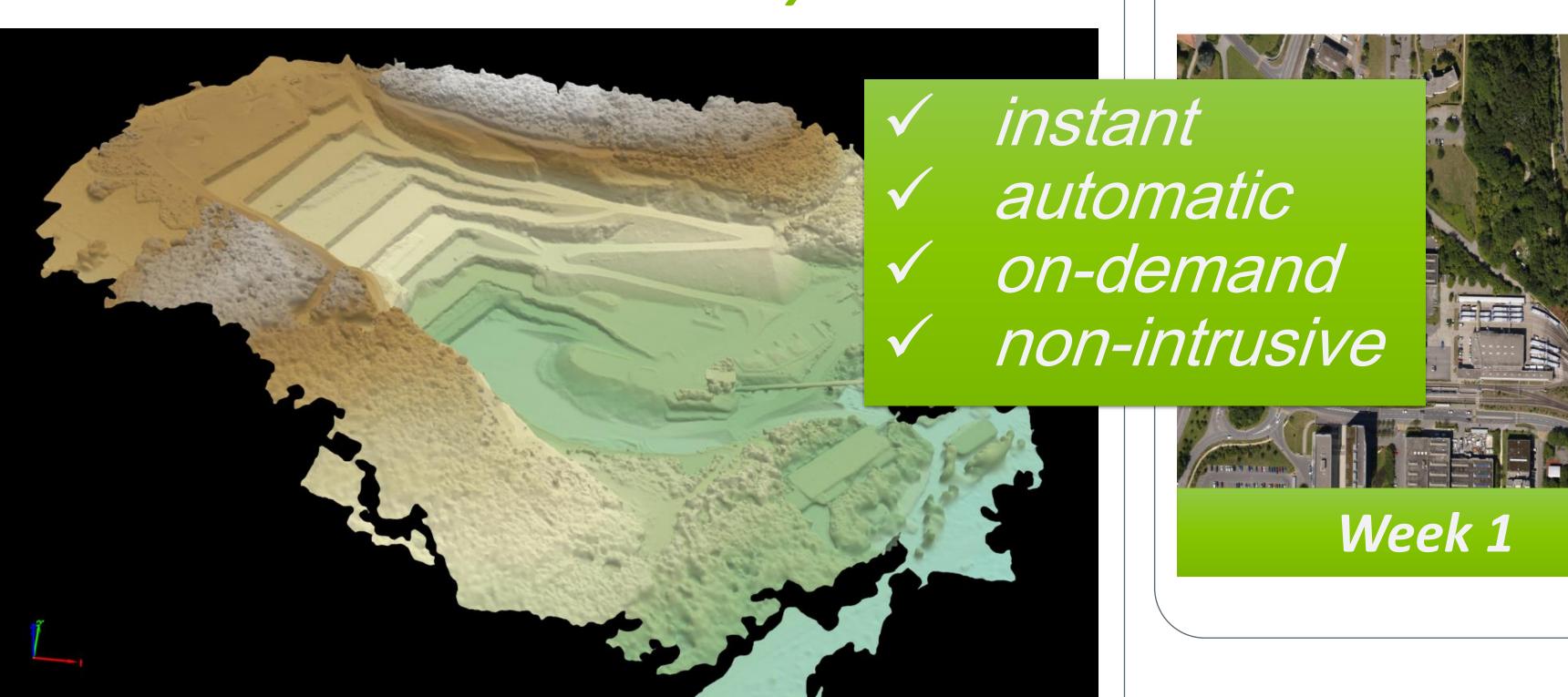




SAME RESULTS AS BEFORE, EXCEPT INSTANT, AUTOMATIC, ON-DEMAND AND NON-INTRUSIVE

3D model for earthwork measurement and analysis

Orthophotos for site visualisation and construction progress monitoring





CRANE CAMERA Latest Results and Customer Value

Seventeen companies

Major construction companies from USA, Canada, Switzerland, Germany, Denmark and France

Multiple systems on same crane and multiple systems on same site.

Twenty-seven systems



Nineteen projects

Including a super hospital, 70 floor building, high-tech US government office, underground metro station and railway viaduct

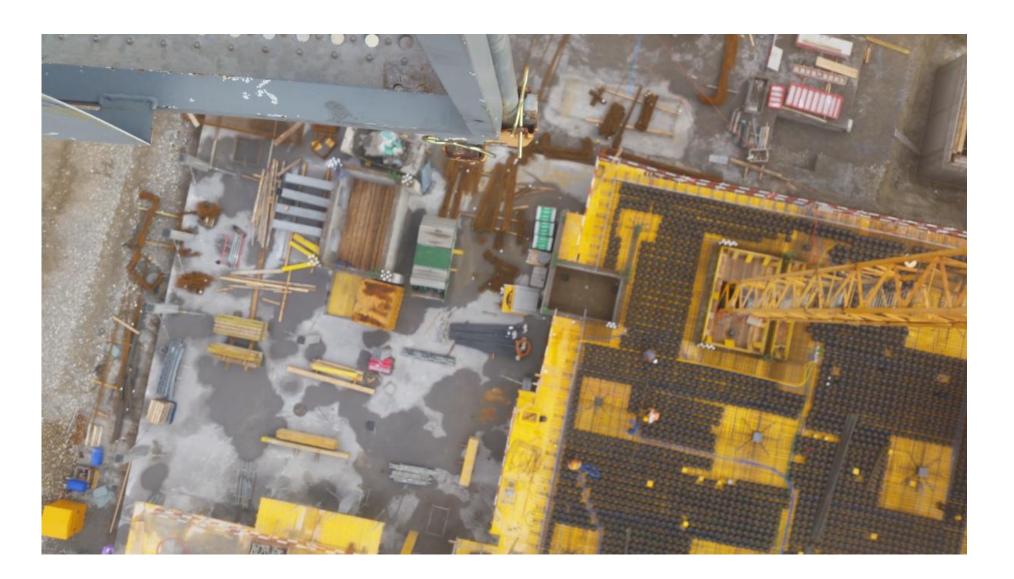


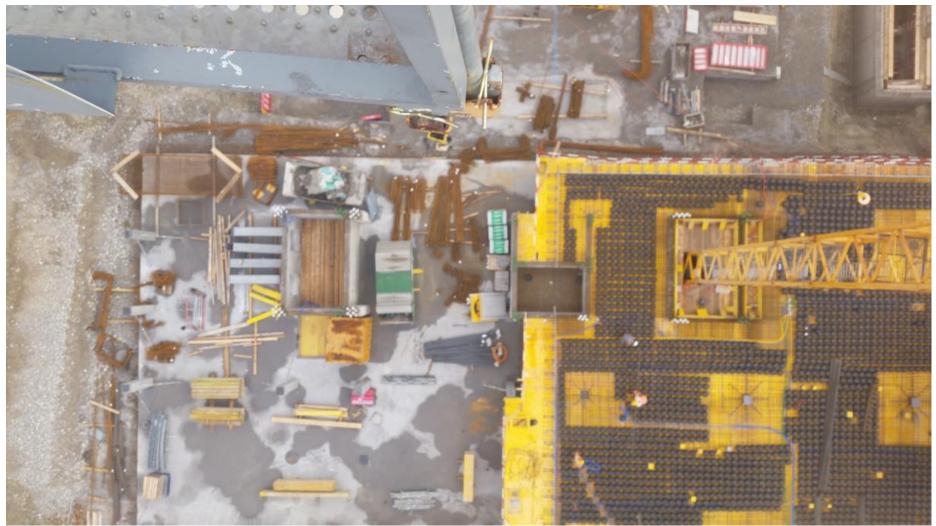




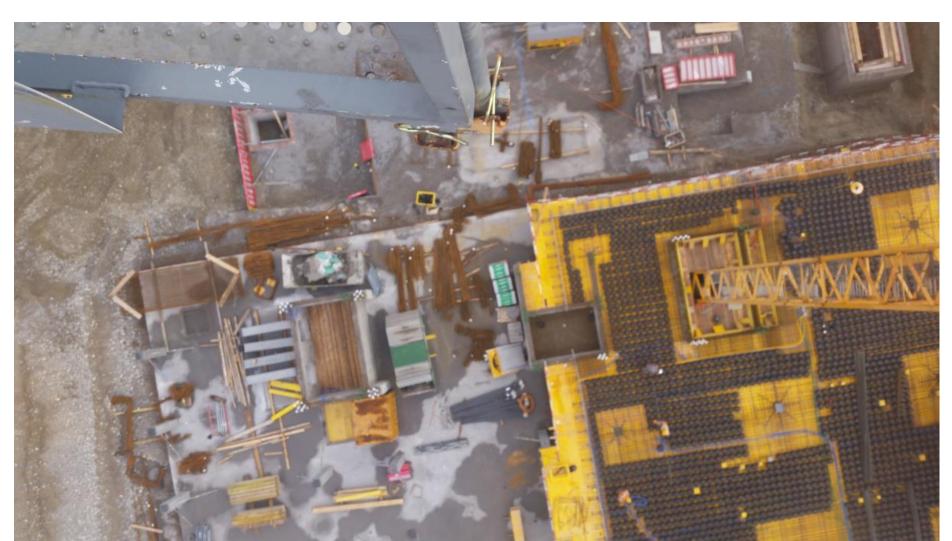


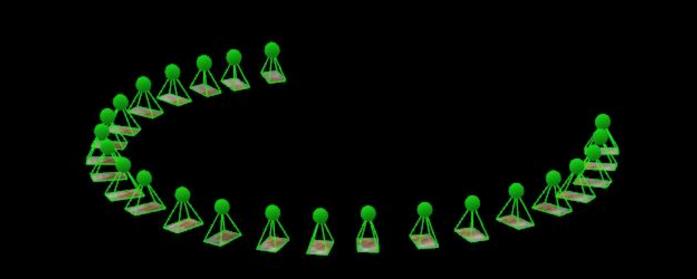


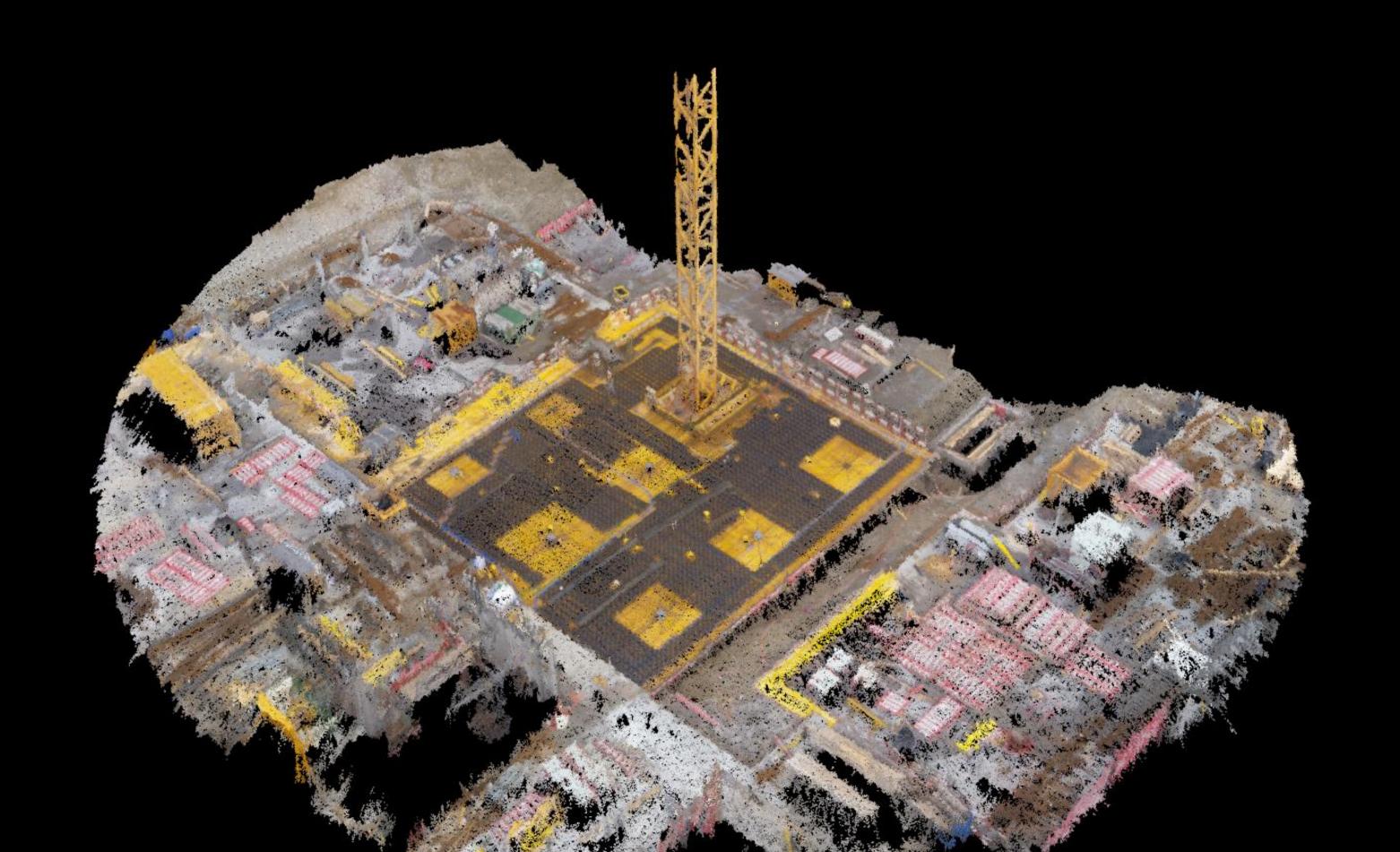


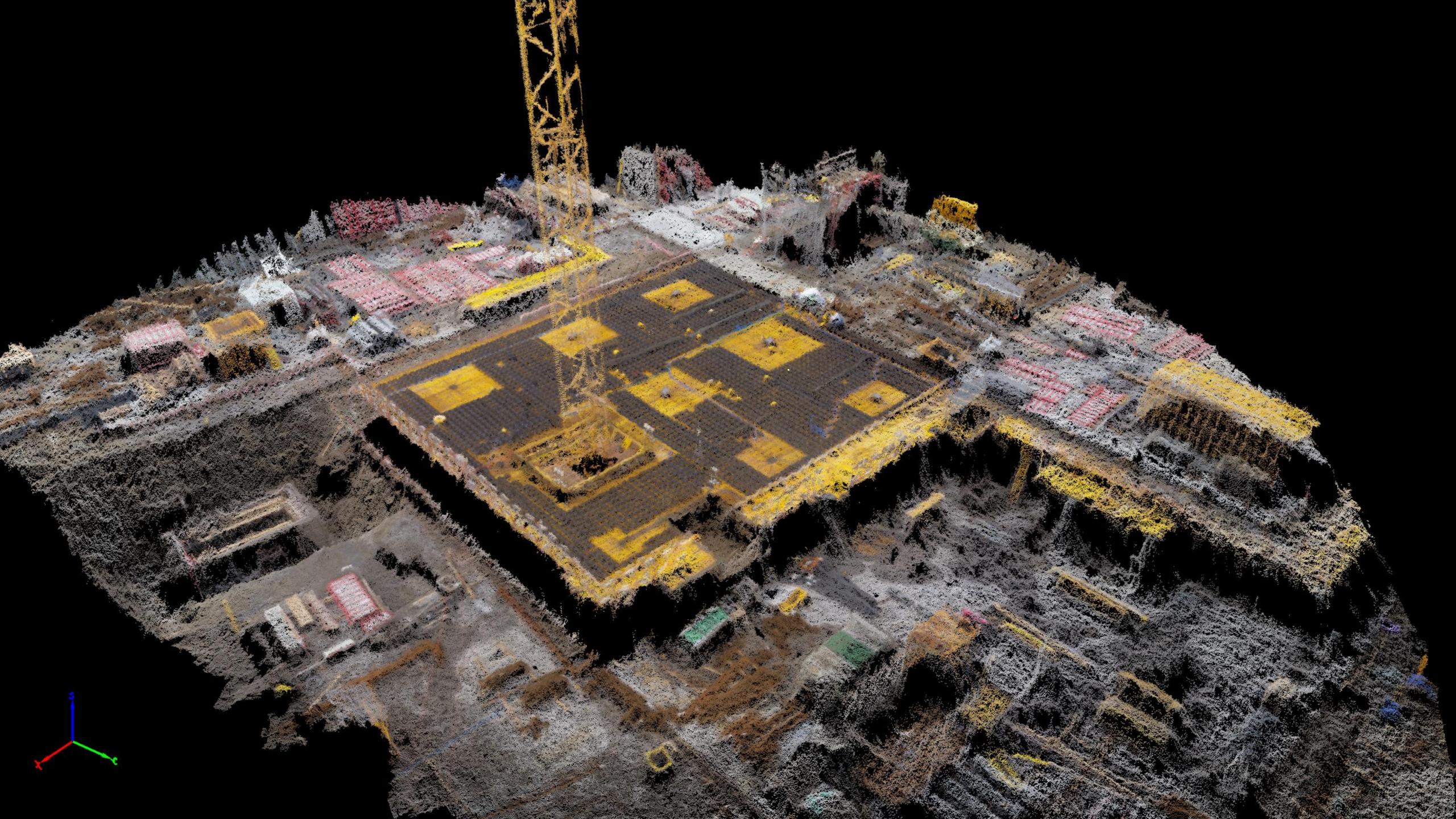


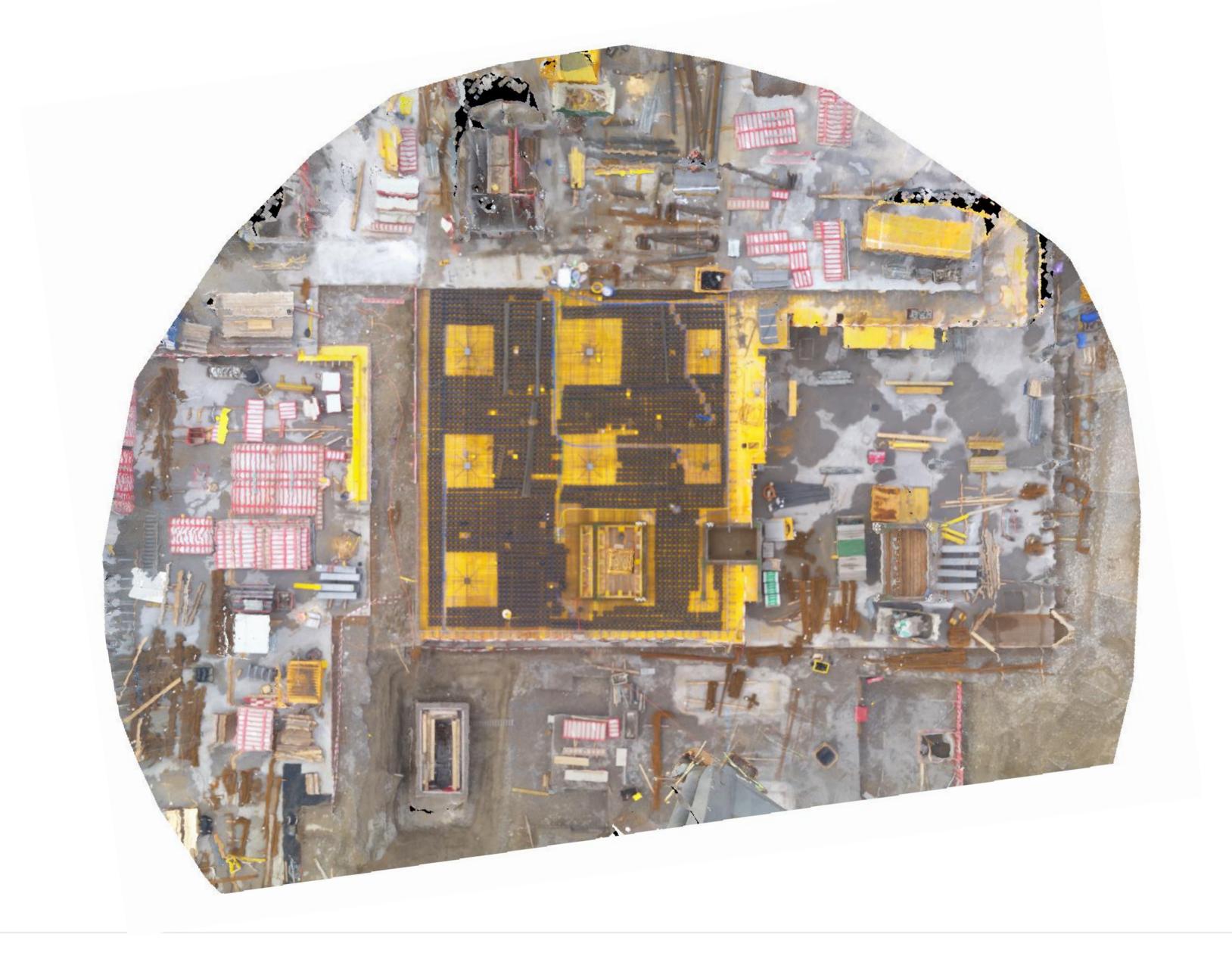


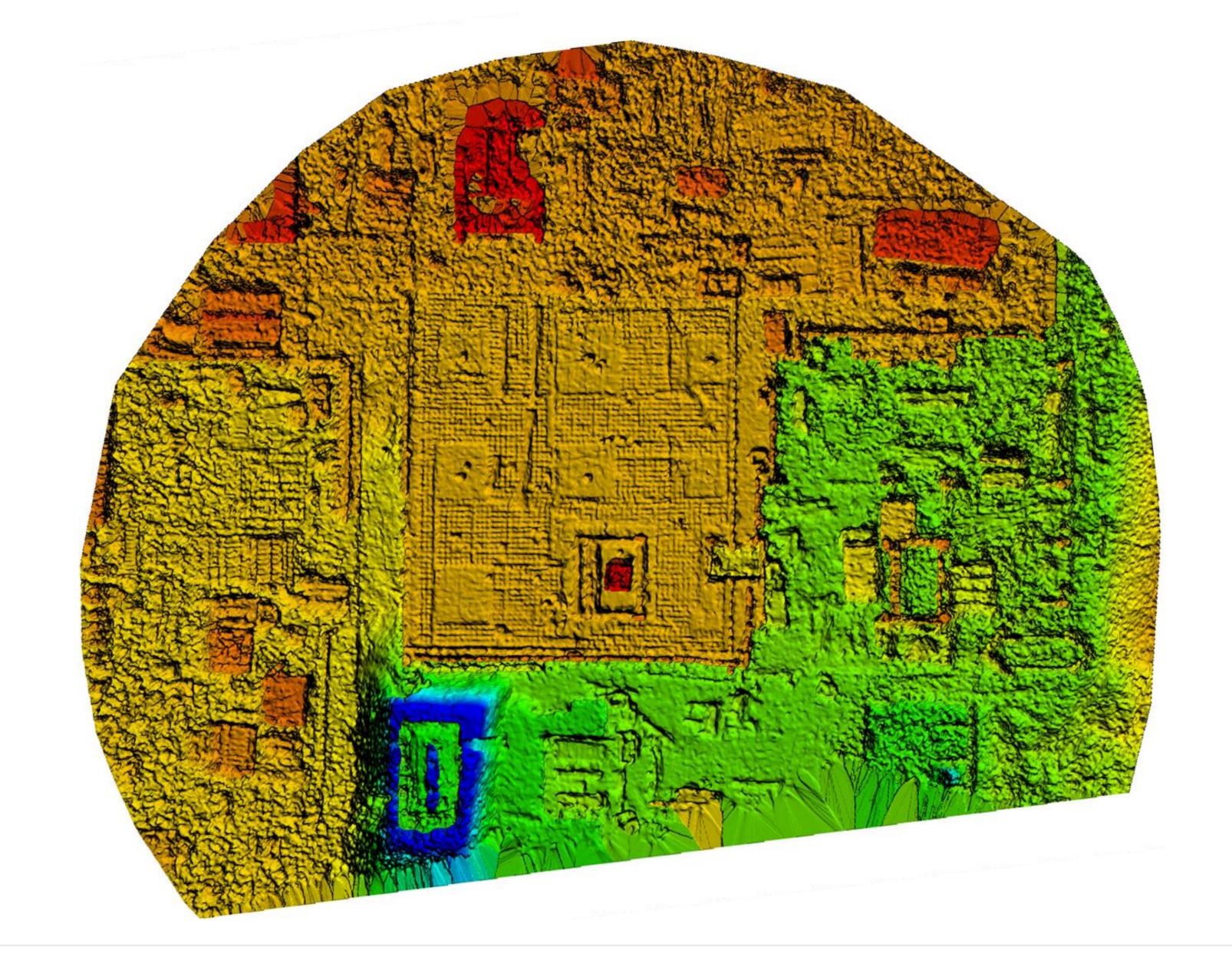




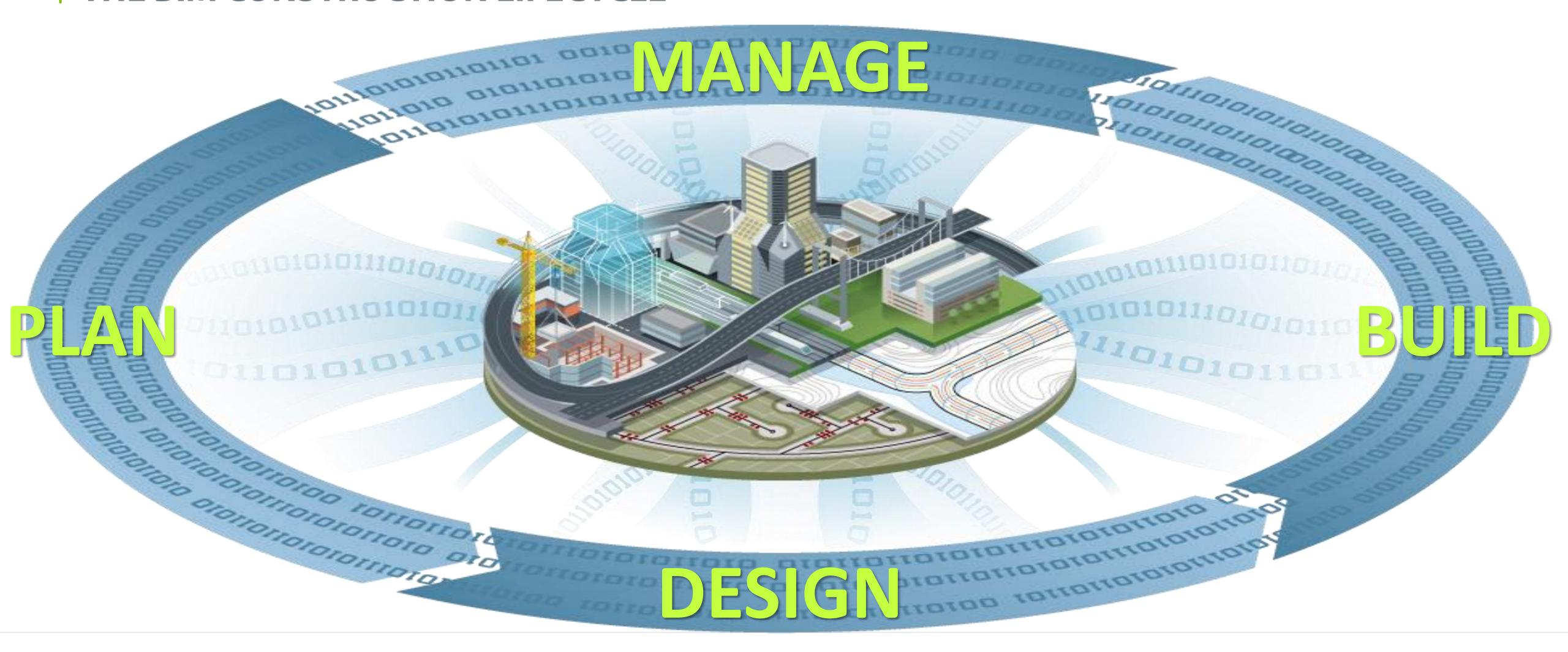








THE RESULTS SUPPORT ALL STAGES OF THE BIM CONSTRUCTION LIFECYCLE

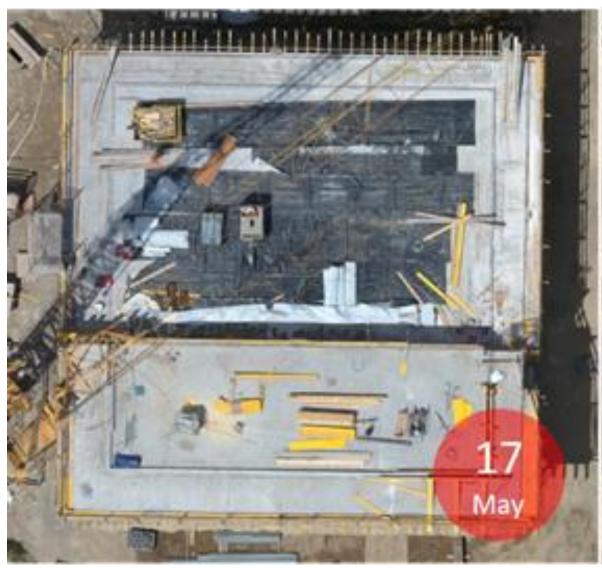


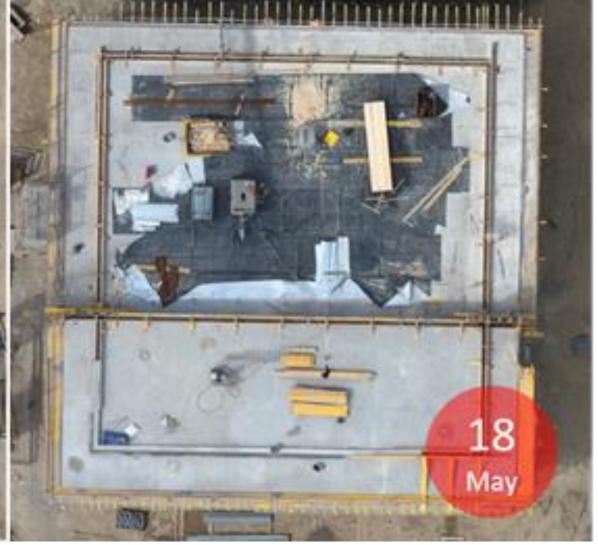






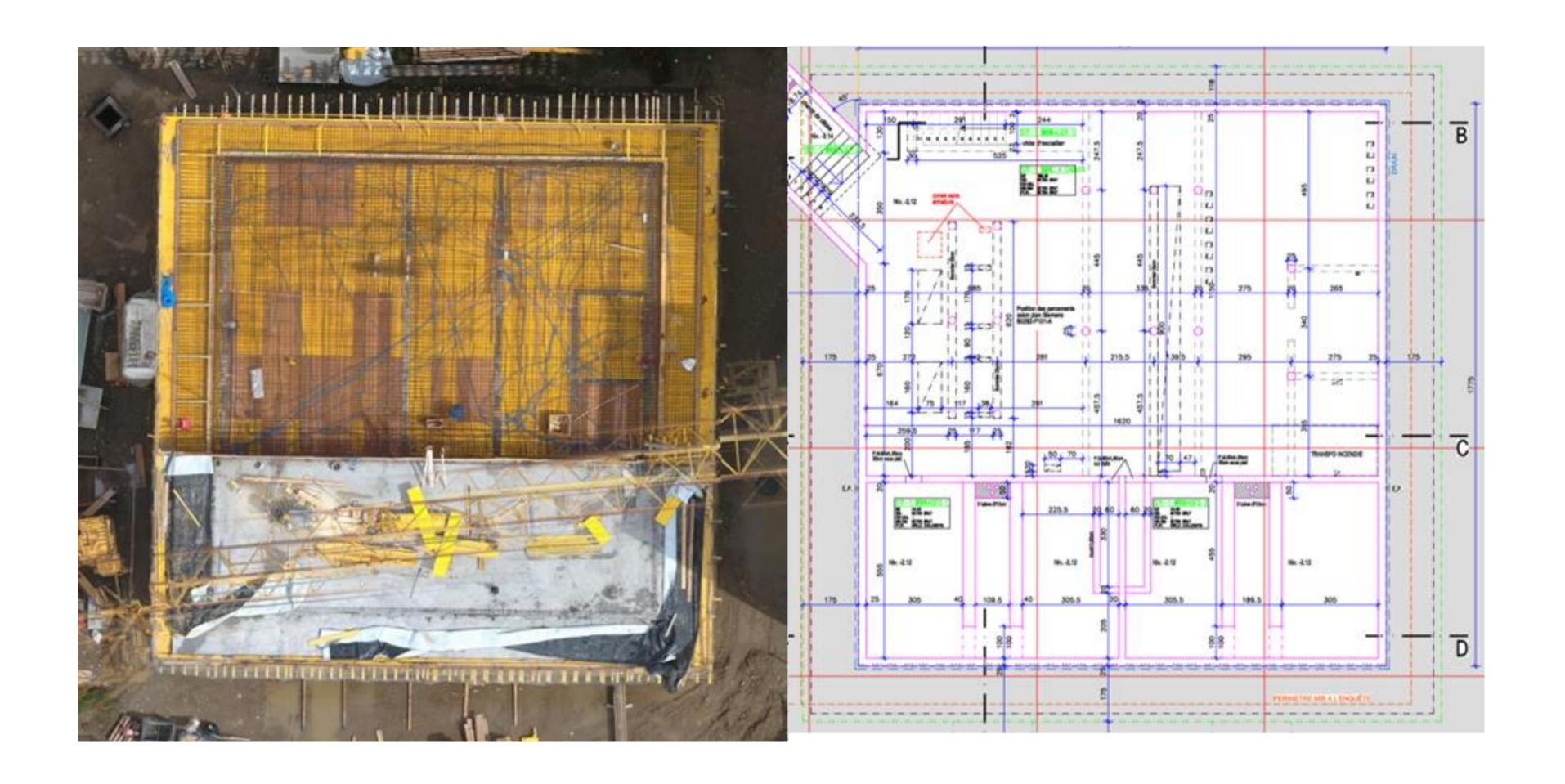








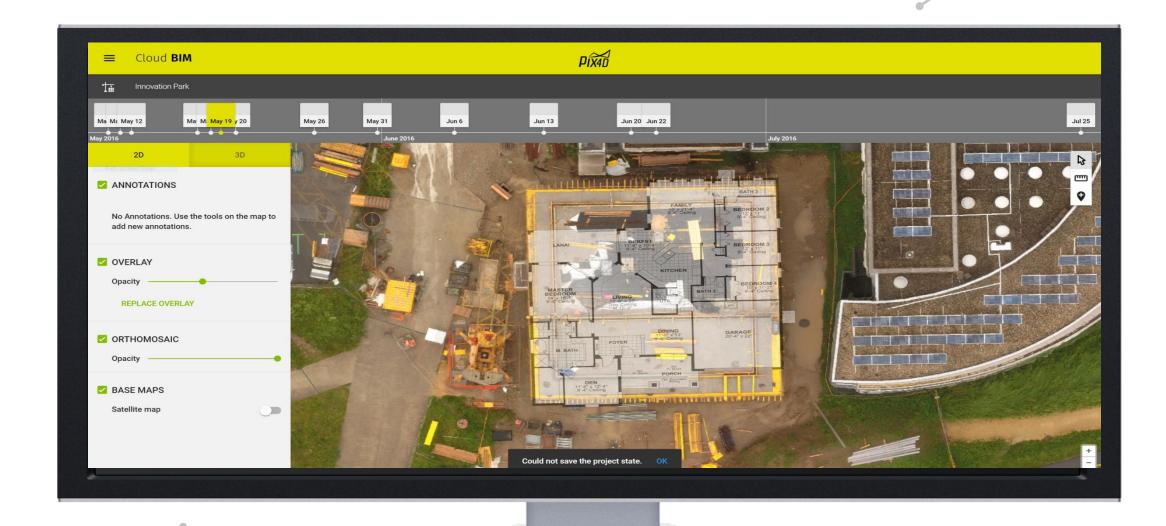




Pix4Dbim Cloud Platform

Timeline

Access both 2D and 3D data for every day over the duration of the project

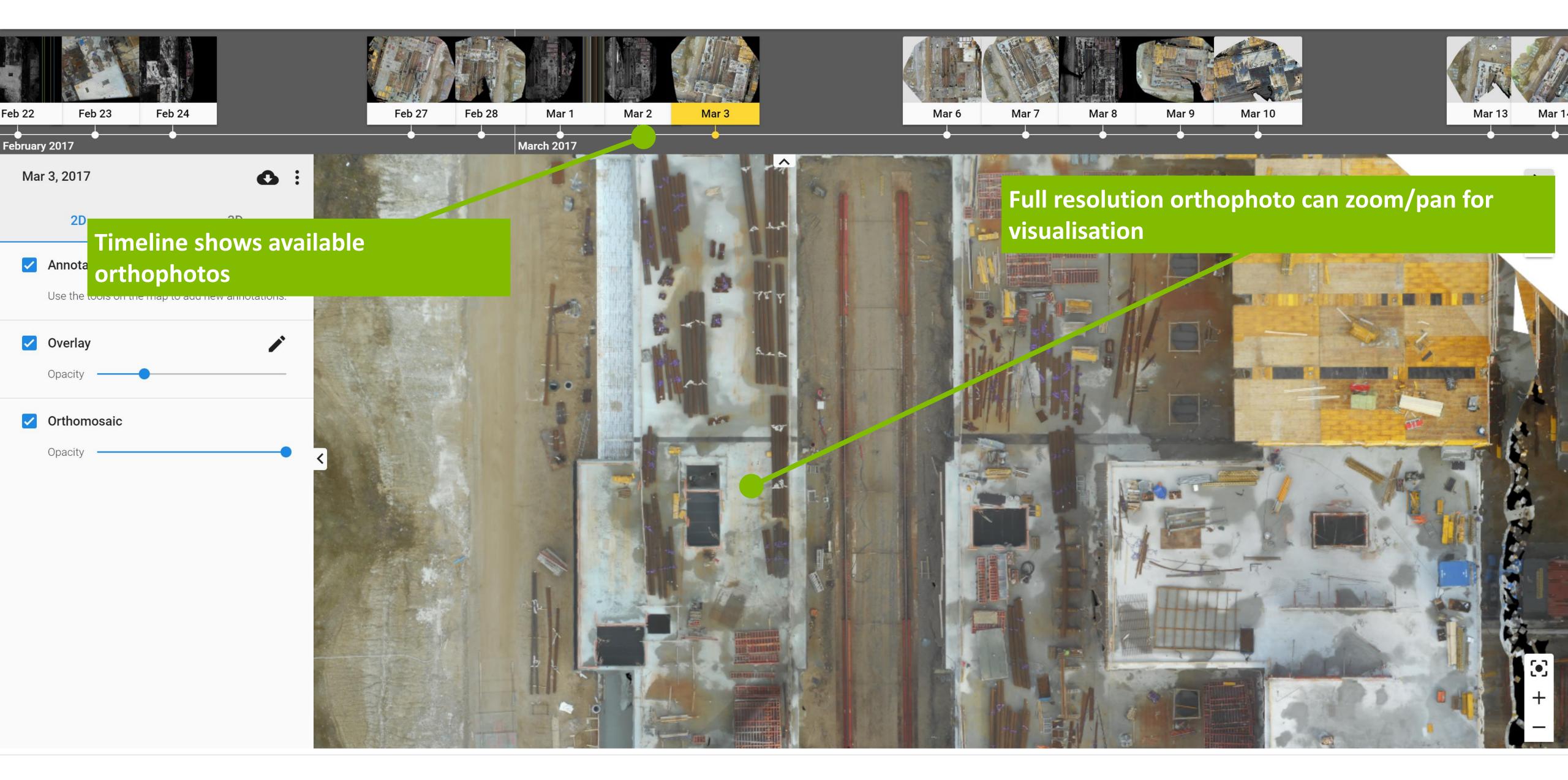


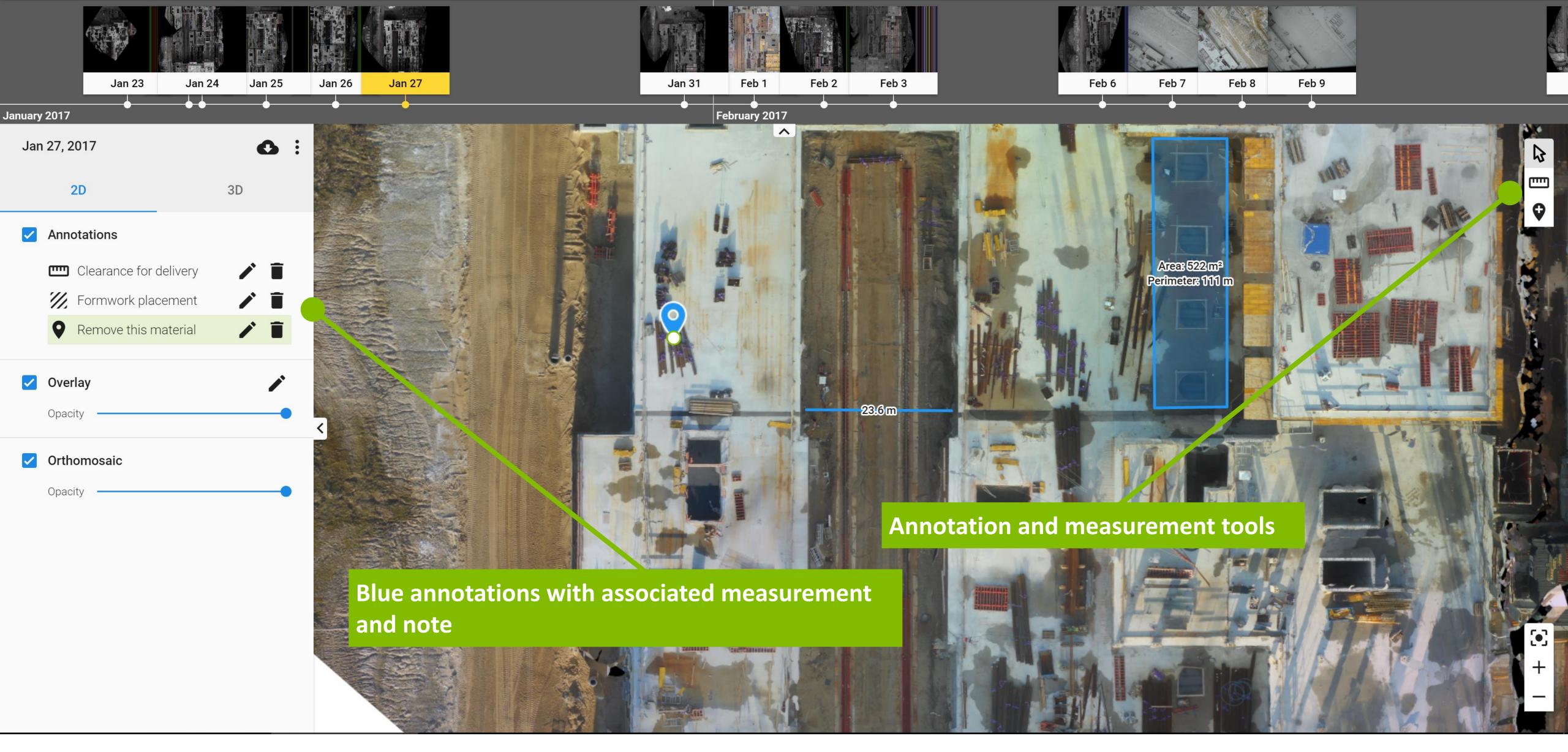
Make linear and area measurements, and annotate them for sharing

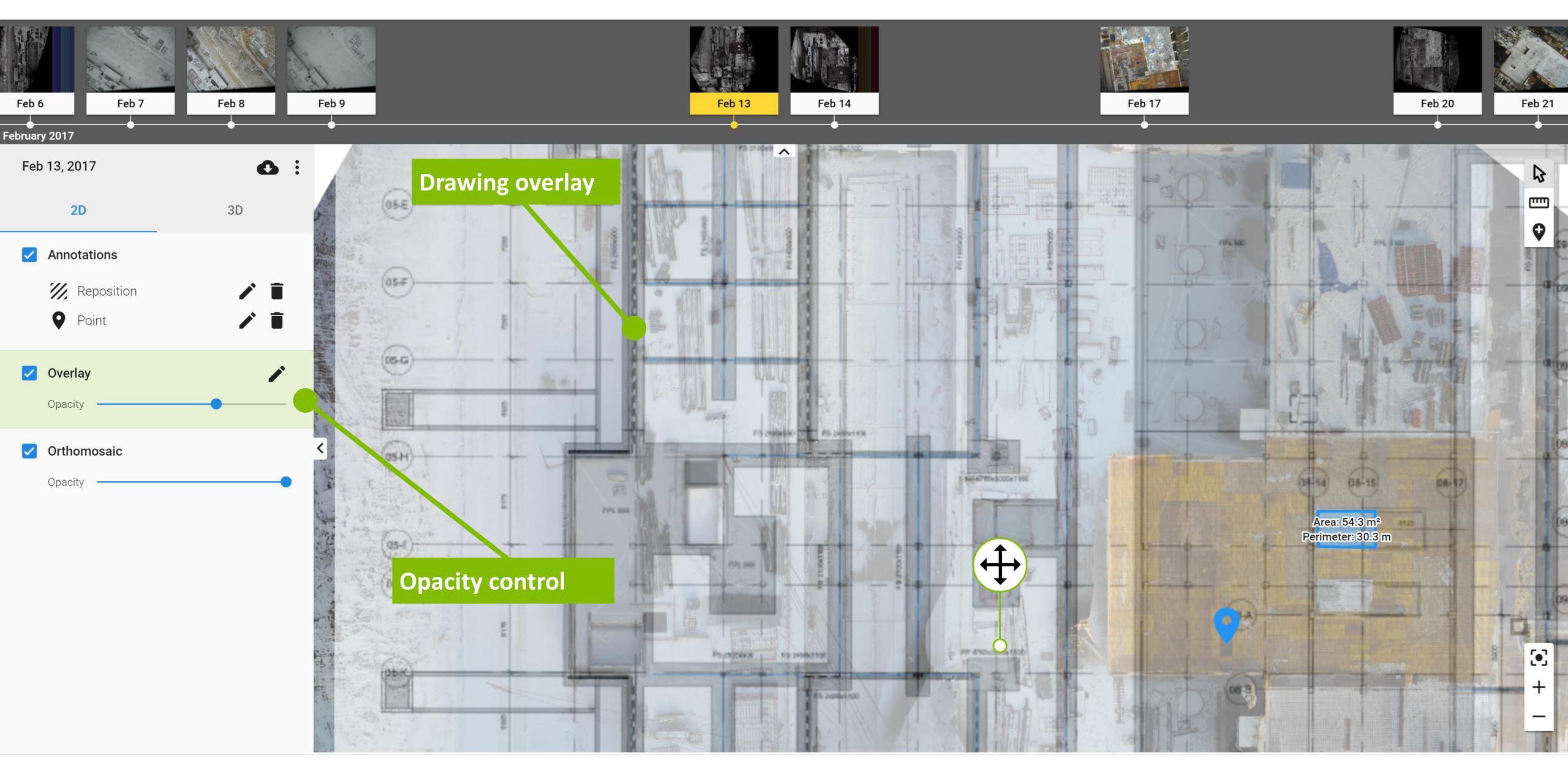
Drawing Overlay

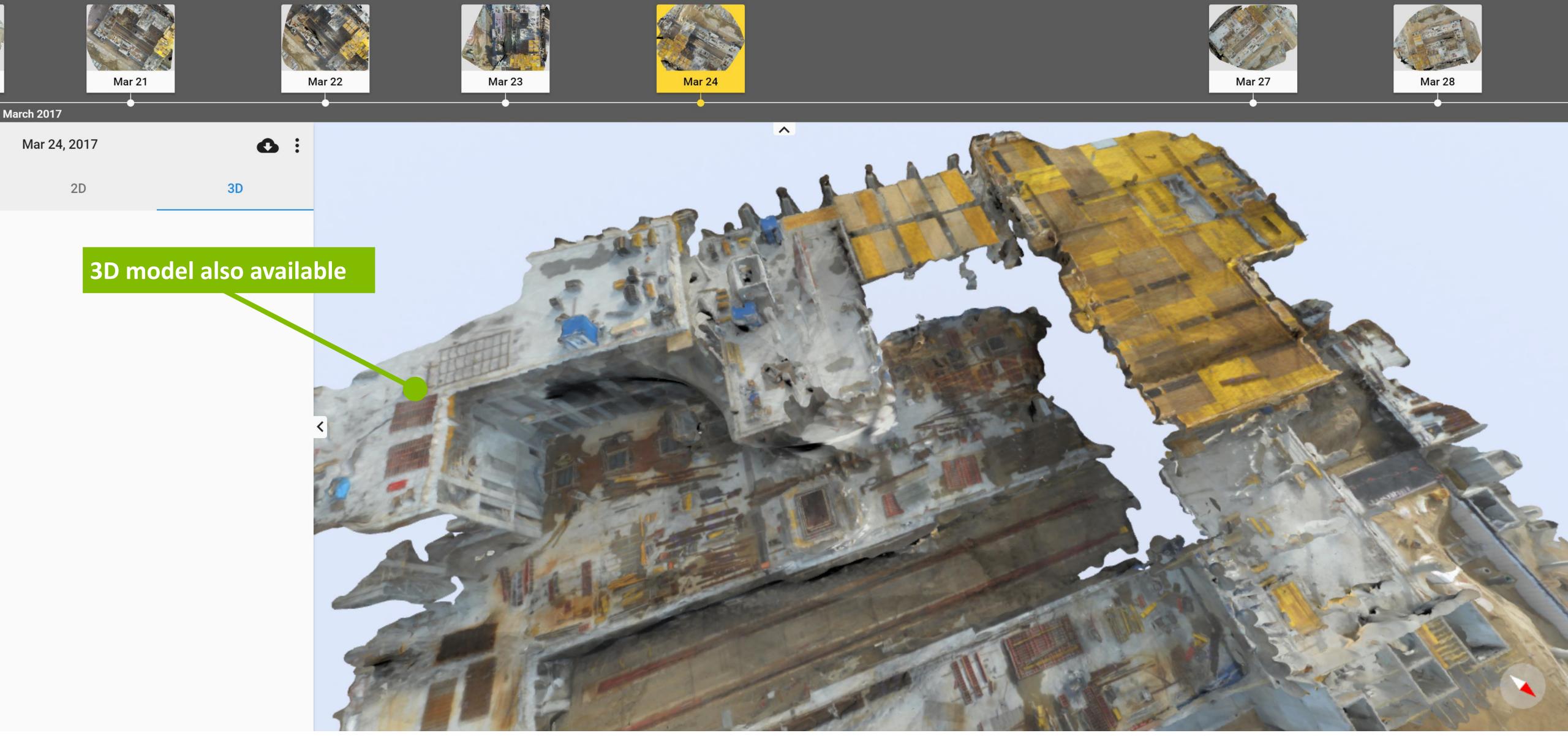
Compare the as-built data from Pix4D with design and schedule drawings to ensure the project is progressing correctly and on-schedule

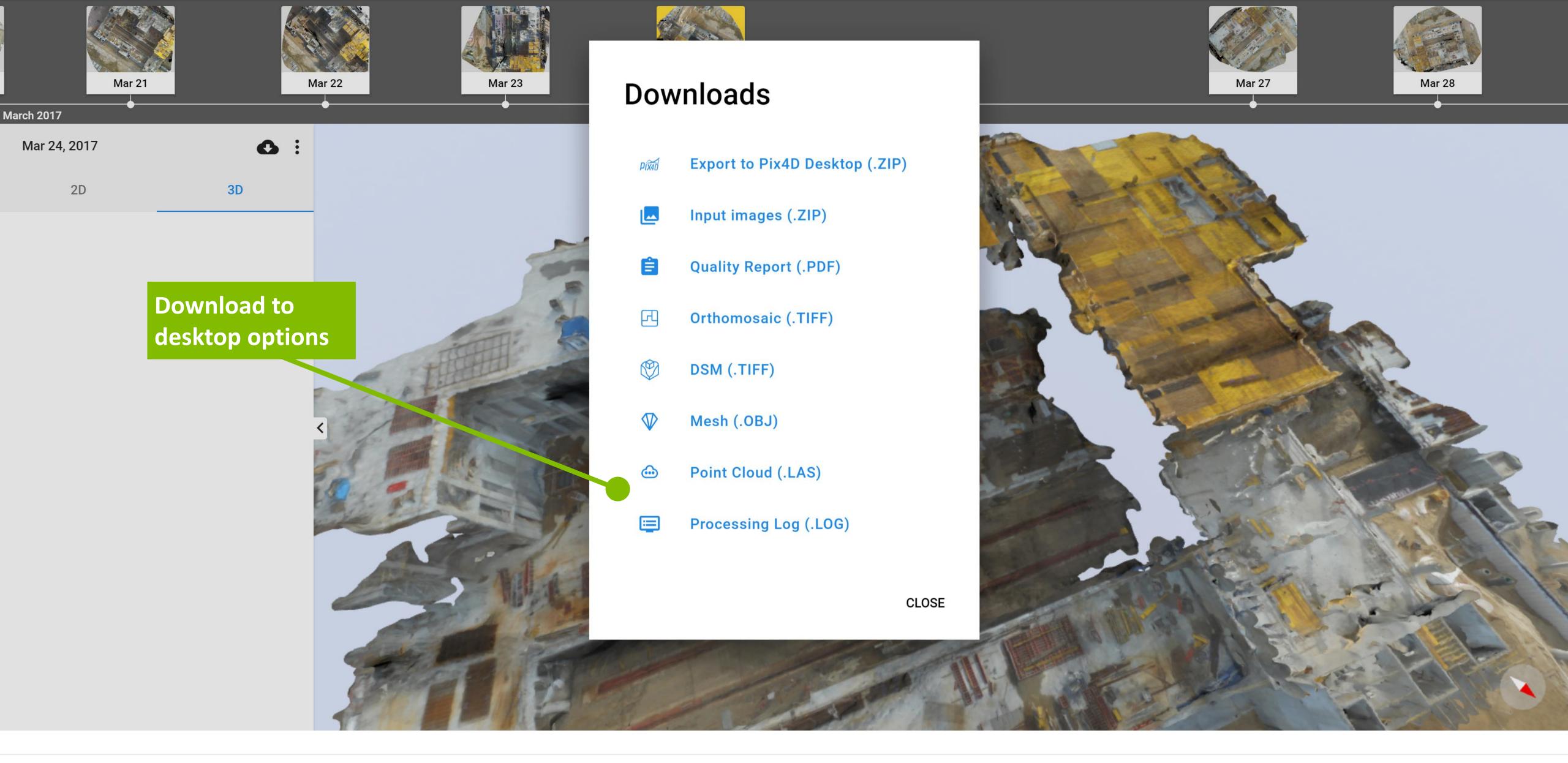
Measurements and Annotations

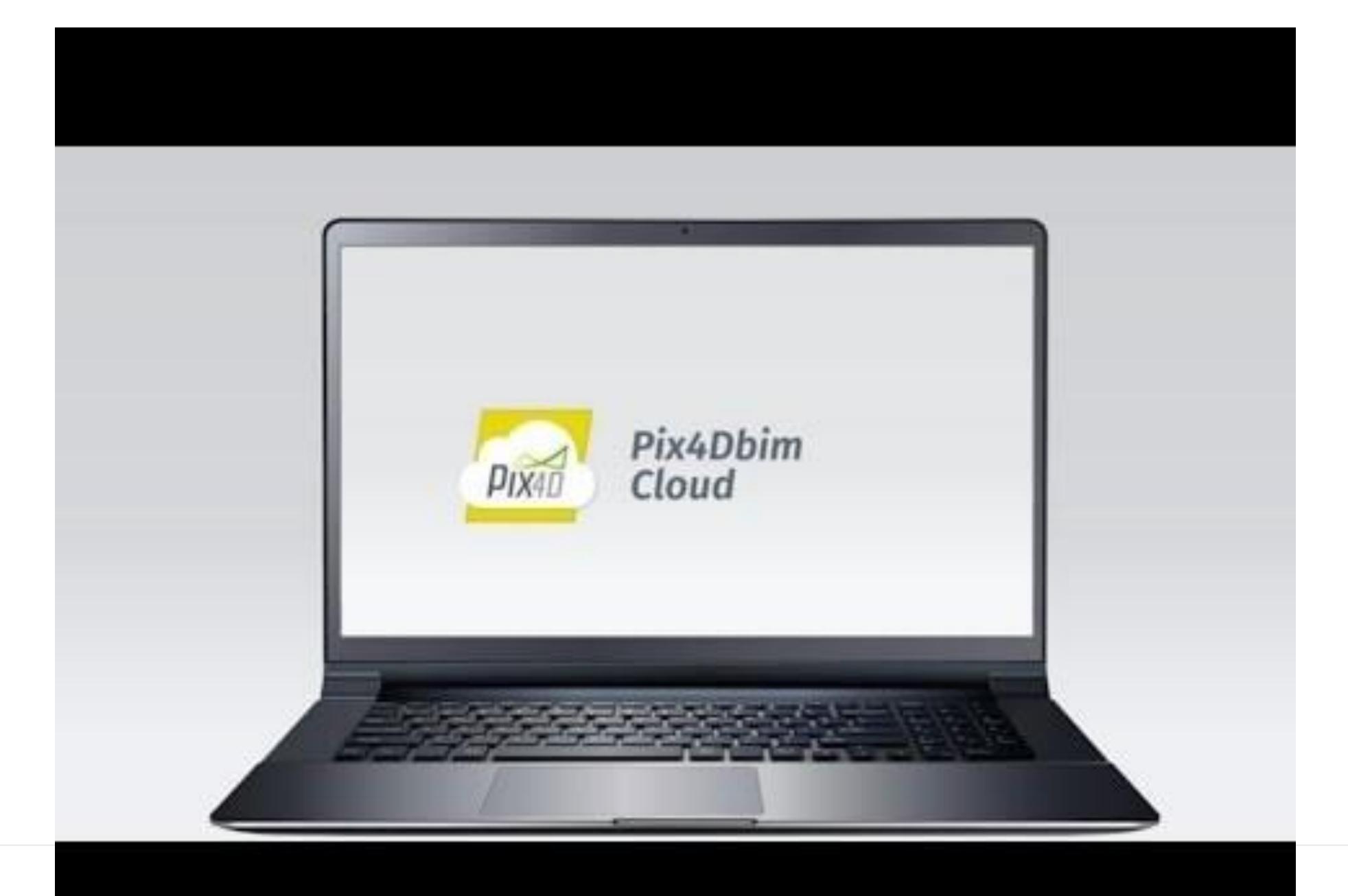
















MULTIPLE SOLUTIONS









SURVEYING

- Land surveying
- Mining surveying
- GIS & Mapping
- Forensics
- Thermal Modeling



AGRICULTURE

- Crop Science
- Forestry
- Turfgrass Management

CONSTRUCTION

- Earthworks
- Site Management
- Building Inspection
- BIM

REAL ESTATE

- Communication
- Landscape Modeling
- Architecture
- Hobby & Design





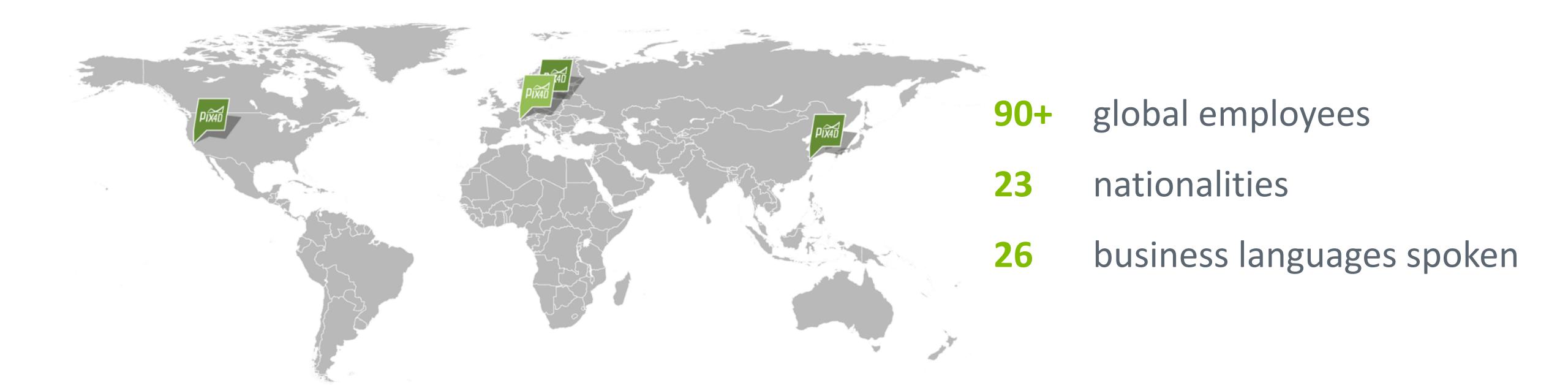








OFFICES





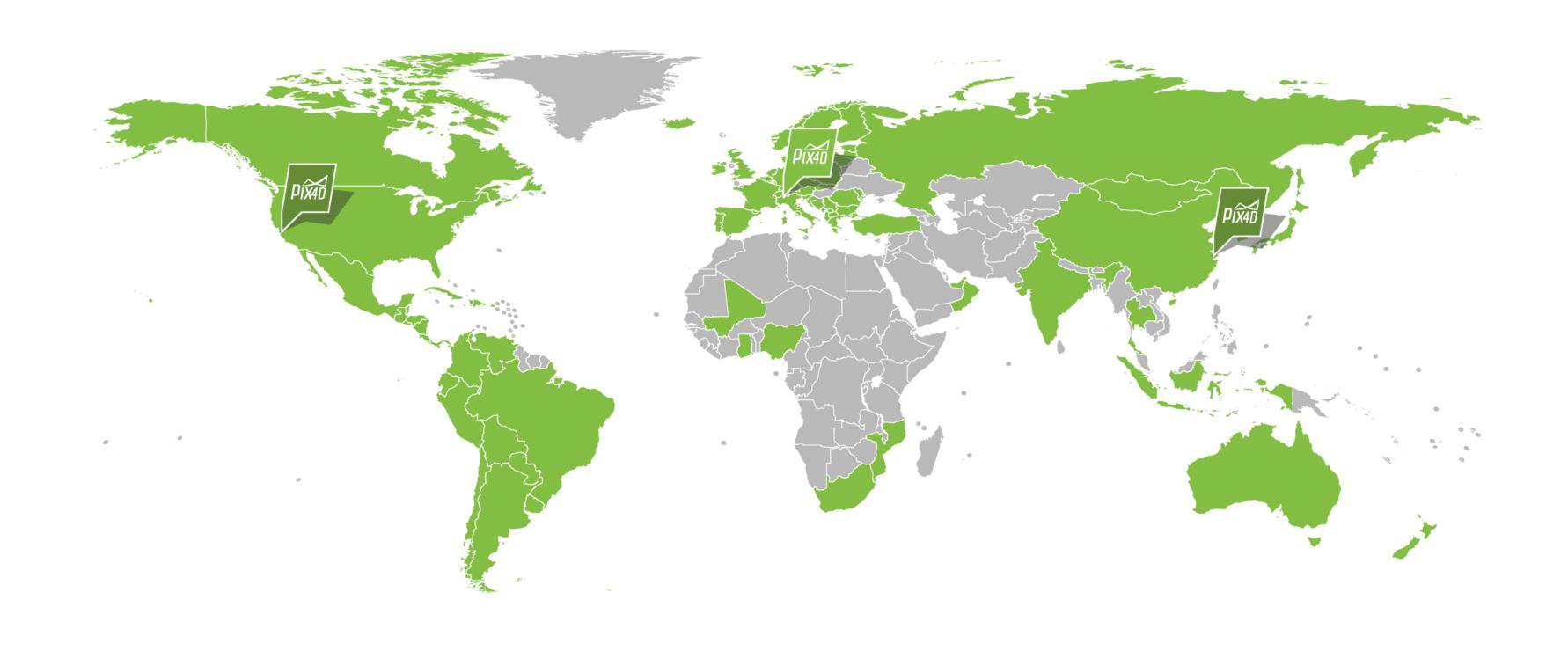






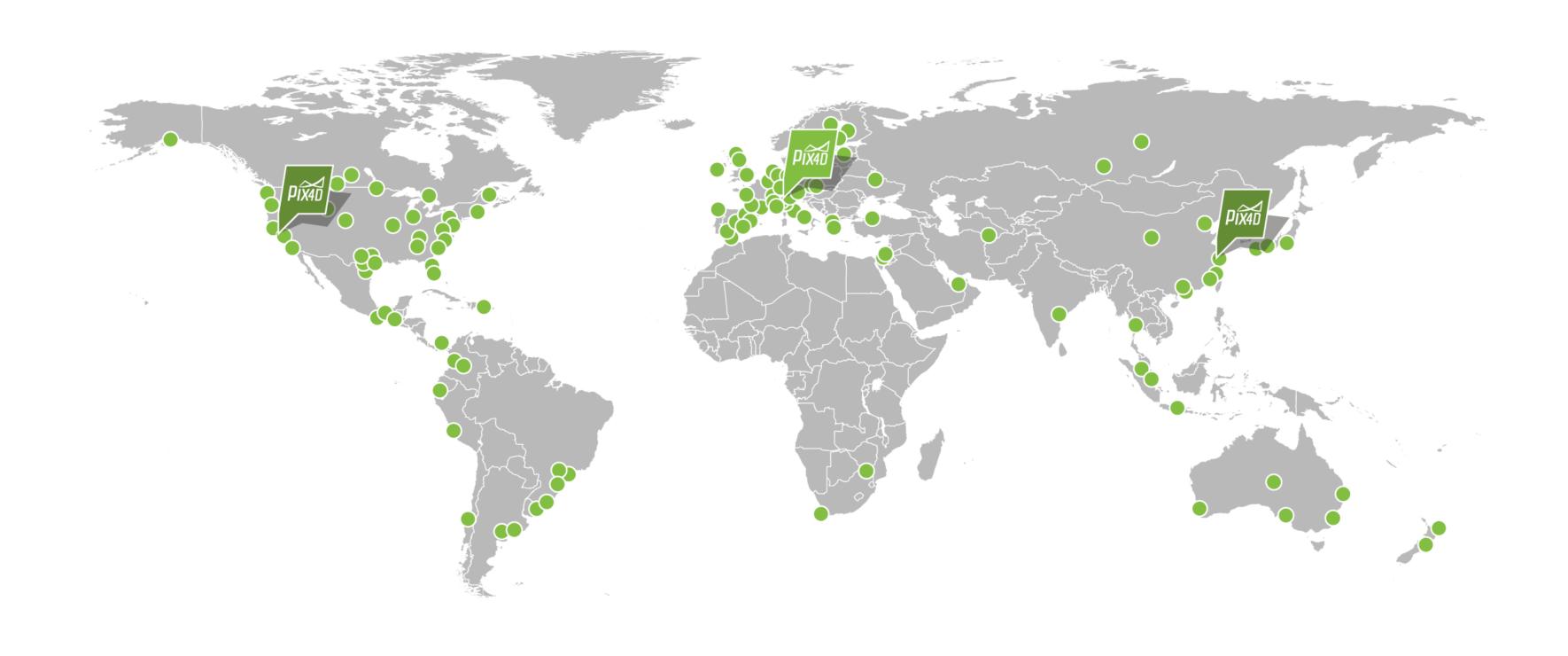


10,000 ACTIVE USERS/ MONTH





170 RESELLERS AROUND THE WORLD





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