

Datamate Launches Field Data Analytics Cloud Platform



Datamate has announced the introduction of DatuBIM, a field data analytics and BIM cloud services platform that transforms the labour-intensive and slow field-data delivery in traditional construction processes into an end-to-end, unified solution. DatuBIM platform includes BIM planning and as-built monitoring and analytics that eliminate cost overruns and save months of delays in project execution.

BIM solutions are being adopted globally to enable greater management and control of construction infrastructure projects. However, to effectively measure planned vs. actual progress, identify the cause of project delays, and pinpoint project deliverable risks, BIM solutions require continuous and accurate as-built field data and analytics.

DatuBIM integrates drone, computer vision, and photogrammetry technologies to fully automate field-to-plan processes and deliver comprehensive, as-built field data and analytics for construction companies' stakeholders on a daily basis, via:

- Drone-based data collection and mapping
- Ongoing, as-built processing, modelling, and storage
- As-built instances comparisons vs. BIM design plans and project schedules
- Tracking of budgeted vs. actual costs
- Real-time generation and monitoring of non-compliance (QA) reports
- Progress and data analytics

DatuBIM's vectorised measurements, CAD outputs, dashboards, reports, alerts and accurate forecasts help construction managers make on-time, informed decisions during planning and project execution.

Automation and digitalisation in the construction industry

DatuBIM cloud platform enables continuous access to survey grade, precise, stored field data and analytics to efficiently monitor project progress. DatuBIM cloud services enable image upload, model processing and output download, including 2D maps, 3D models, analytics, and reports that help make data driven decisions and keep the project on track.

Datamate is set to increase automation, digitalisation, and efficiency of field-to-plan processes in the construction industry, said Datamate's CEO, Tal Meirzon. Managerial field data and analytics – delivered continuously as a service – empower greater management and control of construction infrastructure projects.

DatuBIM solution was chosen by Deutsche Bahn for one of its infrastructure construction projects, as part of Deutsche Bahn's [mindbox](#) digitalisation program. Moreover, DatuBIM pilots have been already implemented in several ongoing infrastructure construction