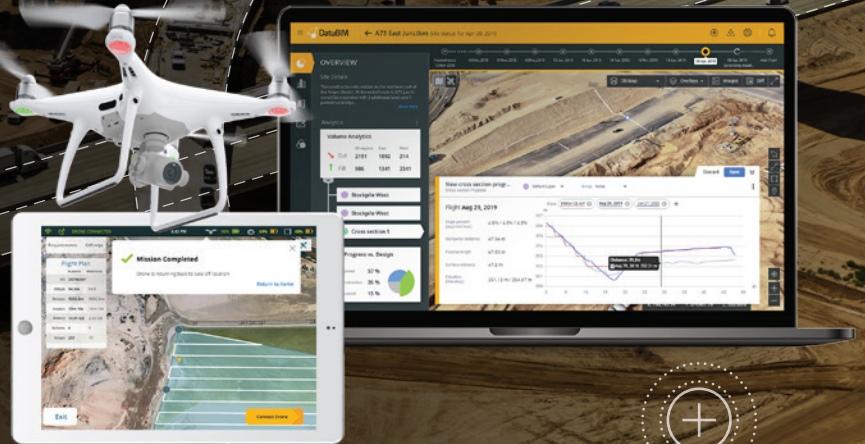




Automated Construction Data Analytics Platform



Optimize project execution and profitability with data-driven insight

DatuBIM is an automated software-as-a-service (SaaS) cloud platform designed and built for infrastructure construction projects. It enables construction companies to monitor project progress, ensure quality, and control budgets based on actionable project execution metrics extracted from field data.

By providing a single source of up-to-date data through the entire lifecycle of the asset, DatuBIM empowers stakeholders to efficiently manage construction sites from planning through execution and maintenance.

Digitizing and automating monitoring, data analysis and reporting processes reduces direct professional costs by 20%, for savings of up to 5% of overall project execution costs, and doubles project profitability.

DATA COLLECTION



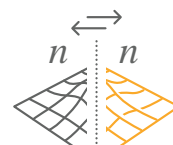
Continual, automatic acquisition of drone data and images



Drone data and image upload to secure cloud platform



Automatic generation of survey-grade models and maps



Progress reporting and comparison versus design or previous as-builts

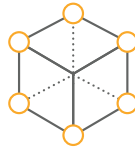


Data analytics, insights and forecasts sharing across stakeholders



AUTOMATES AND DIGITIZES THE FULL CONSTRUCTION PROJECT LIFECYCLE

Streamlines data collection from the field and automatically generates computerized engineering data and continuous digital project documentation.



SUPPORTS MULTIDIMENSIONAL PROJECT MANAGEMENT - GEOMETRY, TIME, COSTS AND DATA

Enables comprehensive project management control, including comparisons with design, schedule and material, based on wide range of multi-dimensional process analyses.



RAPIDLY DELIVERS HIGH VALUE ENGINEERING AND MANAGERIAL ANALYTICS

Automatically generates accurate engineering data and process analytics for hands-on project management, with reports available within 24 hours.



COMPATIBLE WITH EXISTING CONSTRUCTION PROJECT PROCESSES

Non-intrusive end-to-end solution is easy to use and hassle-free for swift adoption by your team and fast time-to-value.



SUPPORTS EFFECTIVE, COLLABORATIVE DECISION MAKING

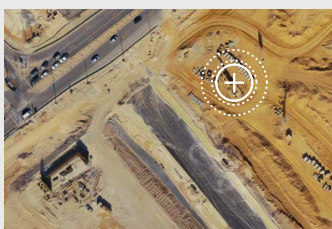
Enterprise-ready secure SaaS platform makes information sharing and cross-team collaboration simple.



INTEGRATES SEAMLESSLY WITH DIGITAL CONSTRUCTION AND BIM SYSTEMS

Standard engineering outputs are fully compatible with BIM systems and project execution deliverables.

MEETING THE UNIQUE PROJECT NEEDS OF DIVERSE INDUSTRIES



ROADS & HIGHWAYS

Monitor layer construction progress and compare with design or schedule

Perform cross-section analyses over time

Track earthwork by calculating material quantity

Make precise payments for earthwork execution



RAILWAYS

Supervise and manage large-area project execution remotely

Optimize quality assurance by identifying objects for accurate comparison with design

Verify that completed work is consistent with design



UTILITIES

Accurately track volumetric measurements and material quantity analyses over time

Identify land encroachment

Detect over-excavation



COMMERCIAL & RESIDENTIAL

Identify delays promptly by comparing actual completed work with design and planned schedules

Settle disputes and enforce contracts by leveraging digital engineering and site documentation

Generate digital twins for rebuilt projects and maintenance cycles

BE IN THE KNOW, ON TIME AND ON BUDGET | CONSTRUCTION DATA ANALYTICS

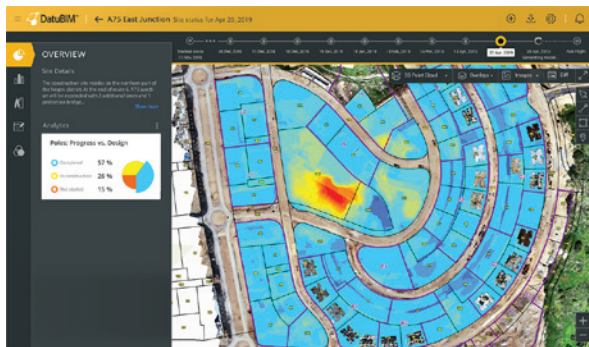
Make better, more data-driven decisions, and improve communication with project stakeholders by leveraging clear visualizations and insightful reports about your construction site.

Track progress and promptly reveal delays and deviations from plan with accurate, detailed reports.

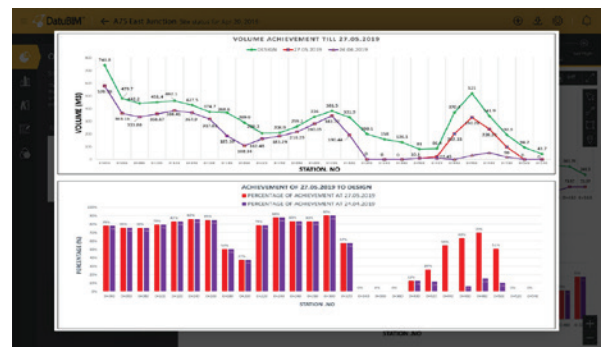
ENHANCE BUSINESS PROFITABILITY | MANAGED ENGINEERING SERVICES

Let our experts tailor analytics to your requirements and workflows, and smooth adoption by customizing reports to match familiar formats.

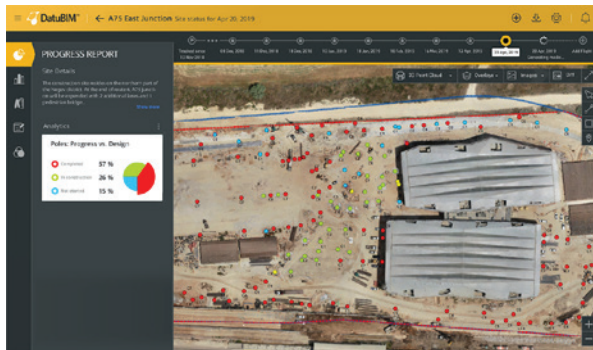
Get the project scheduling, material management and other reports that deliver perfect-fit insights for your business.



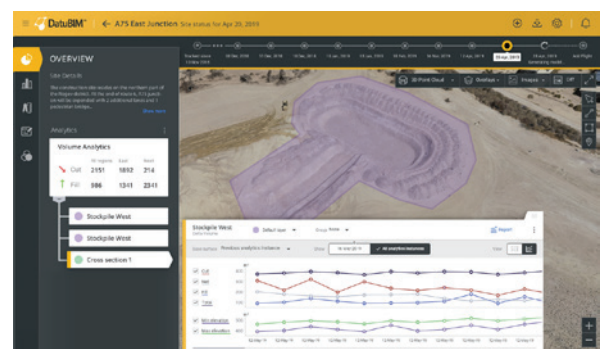
Monitor execution progress and schedules through **automatic comparisons with design plans**



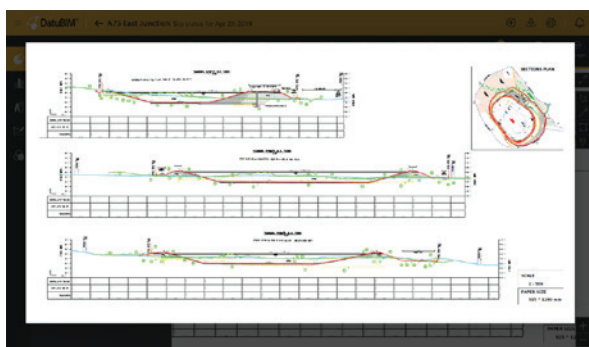
Boost project success with **custom reporting of crucial metrics and process KPIs**



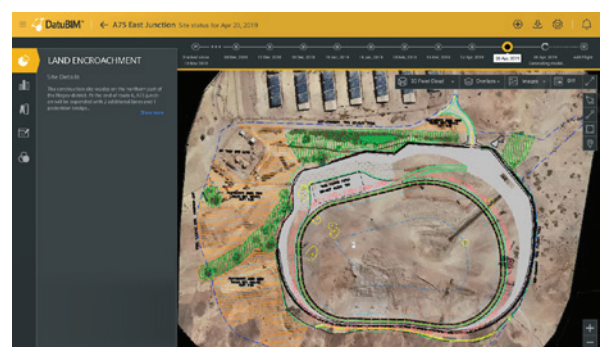
Ensure continuous progress with **automated comparisons of current status and data captured in previous flights**



Leverage **volume calculations** to accurately estimate costs and time and as valuable KPIs



Receive timely reports to verify that **work is done to design** and to detect aberrations early



Generate reports for **land encroachment identification** to comply with regulations and avoid or settle disputes

Your Projects. Your Workflows. Your Outputs.

DatuBIM analytics and reports are based on a rich array of built-in, automated engineering models and CAD/BIM compatible outputs.

2D TRUE ORTHOPHOTOS

- Survey-grade precision and accuracy (sub inch or sub 3cm)
- Georeferencing to user defined coordinate system
- Rectified and true-to-scale images without object tilting
- Real-time representation of construction sites
- Can be viewed online or downloaded in various formats

2.5D ELEVATION MAPS & CONTOURS

- Detailed and quantitative representation of surface heights
- Digital Terrain Model (DTM) and Digital Surface Model (DSM)
- Enables better understanding of site topography and surfaces
- Improves earthwork management

3D TEXTURE MESH MODELS

- 3D high-resolution visual representation
- Great for visualization of construction sites
- Shareable online models facilitate collaboration and communication across organization

3D POINT CLOUDS

- High-density, true color points generated from aerial imagery
- High-precision X,Y,Z coordinates
- CAD\BIM compatible
- 3D model representation of construction sites

ONLINE MEASUREMENTS, CALCULATIONS & REPORTS

- Provides fast, online measurement and calculations
- Allows complex engineering reports to be generated in minutes
- Enables quality assurance on constructed areas



GET REPORTS IN HOURS, NOT WEEKS

Built for speed, DatuBIM delivers automated engineering analytics within 24 hours, including automated comparisons with design plans, execution milestones and schedules.



GAIN VISIBILITY AND INSIGHT

Increase transparency and get actionable insights that will help you control execution, manage subcontractors, and assure quality. Comprehensively document the complete project lifecycle.



OPTIMIZE PROCESSES AND IMPROVE PROFITABILITY

More than double project profitability with 20% cuts in direct professional costs, for 5% savings in overall project execution costs.



Datamate develops and markets innovative solutions for the construction industry. As a trusted partner for companies committed to digital transformation, Datamate develops software and services that utilize big data analytics, machine learning, state-of-the-art computer vision, and drone and camera technologies.

To learn more about us visit www.datumate.com or call us at USA Toll-Free: +1-888-765-2903