

Follow up progress in volume to ensure jobsite profitability

Knowing if current performance will meet final plan is crucial, but maintaining an efficient overview while managing multiple jobsites is hard. Smart Construction Dashboard aggregates earth movement information, allowing for effortless daily cut-and-fill checkup. React and recover quickly before major financial overruns.



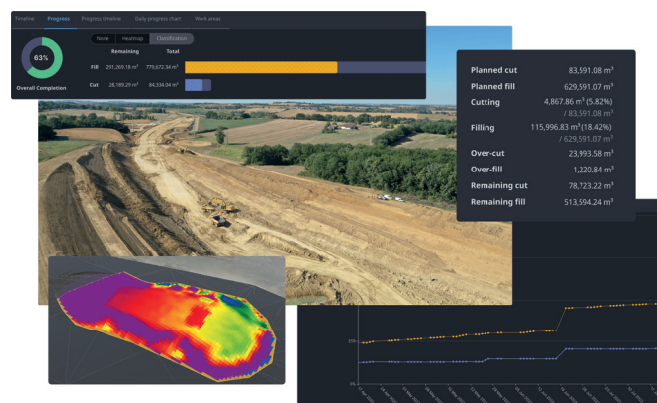
Every day is a new day

Ever wondered if the volume moved today has matched up to your planning? Curious about how much it cost to move a cubic meter? Closely monitoring the performance of your jobsite(s) is a key factor in making sure profitability remain on track!

Daily volumetric progress checkup

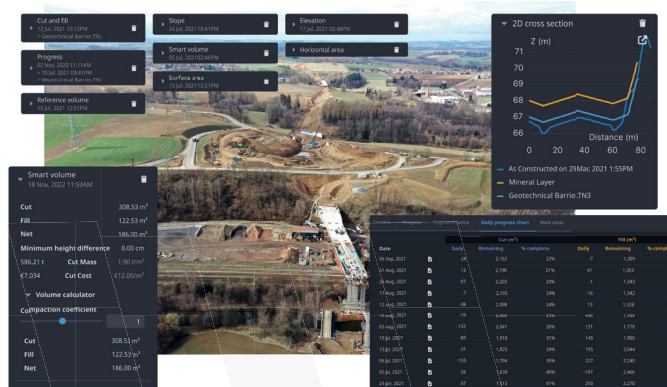
Smart Construction Dashboard makes volume tracking effortless and straightforward for everyone.

- Overall completion automatically calculated
- Progress logs to understand overall completion from chart to timeline
- Visualise completed/remaining work, cut/fill, overcut/overfill with heatmap



“Our site managers now have the ability to directly measure the cubic meters moved and do invoices without the help of a surveyor.”

Chris Horn, Technology Manager at HB Golf



Powerful calculation tool box

Visualise and measure terrain changes towards the planned final surface.

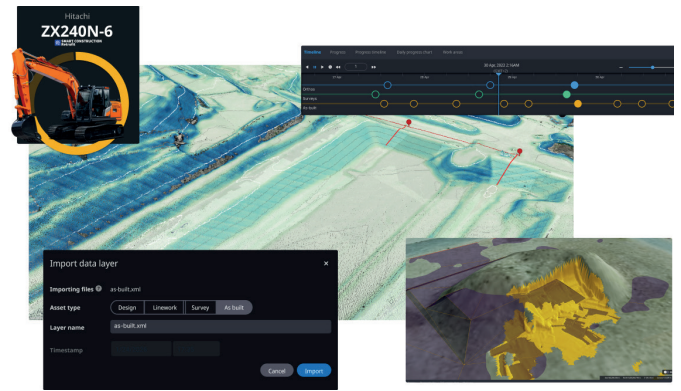
- Volume calculation tool box for both small and big measurements
- 2D/3D cross section to check survey-to-survey elevation changes
- No specialist requirement



A digital replica true to your site

An (almost) real-time digital counterpart of your physical site integrating all terrain-related datasets.

- Photogrammetry for full terrain survey
- LiDAR for original ground survey
- Machine for daily as-built information
- Traditional surveying methods

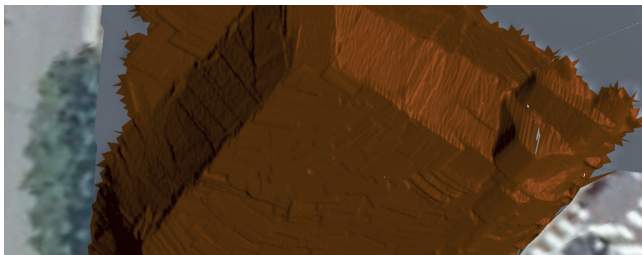


The Connected Site

From mountain peaks to flat fields, earthmoving is all about taking an existing terrain and reshaping it to a totally new surface. That's why our Dashboard is the key tool lying at the heart of terrain visualisation. Receive a clear visual image of your jobsite terrain while helping you measure and monitor terrain changes towards the planned final surface.

Automatic data collection from the field

Don't stress over manually collecting data – we've got a series of IoT tools taking care of it. Your Dashboard is automatically updated with the latest survey from the jobsite in almost real time.



- **Smart Construction Edge**, on-site processing of drone data at lightning speed
- **Smart Construction Quick3D**, quick mobile lidar scanning to make detailed updates in your digital twin
- **Smart Construction Retrofit**, 3D machine guidance collecting daily as-constructed data
- **Machine as-built data**, terrain data straight from your digital fleet, for example Komatsu intelligent Machines (iMC)*

Next step? Optimise your ongoing processes



Using the Dashboard data, our Simulation tool allows digital rehearsals to happen in the virtual space, where different combinations of equipment and soil distributions can be tested out before they start happening onsite.

Get up-to-date with your daily feed of info once the project starts – adjust plans based on construction changes or lost time as needed.

Optimize operations through an eternal loop of Plan-Do-Check-Act (PDCA) with the help of expert advice tailored just for you.