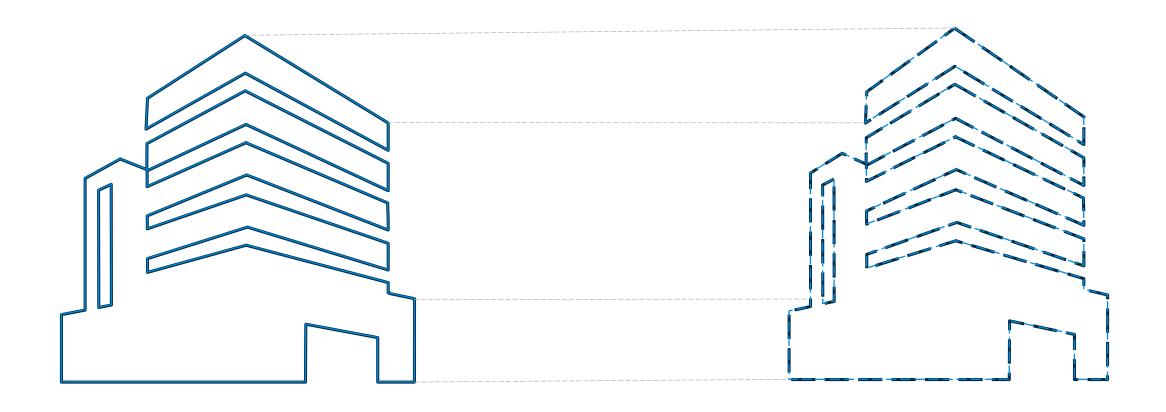


ContextCapture



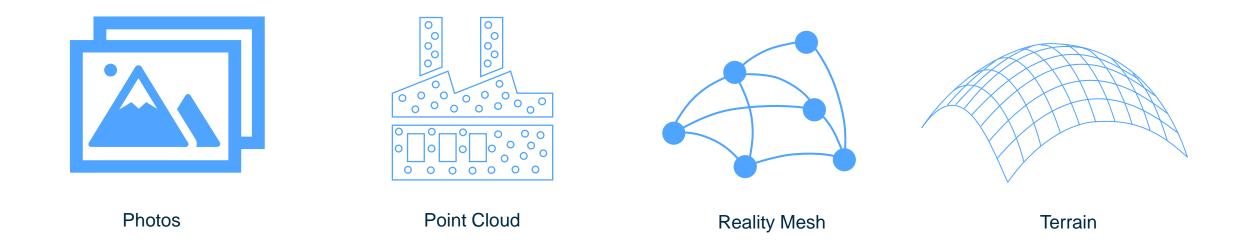


Connecting Reality and "Virtuality"

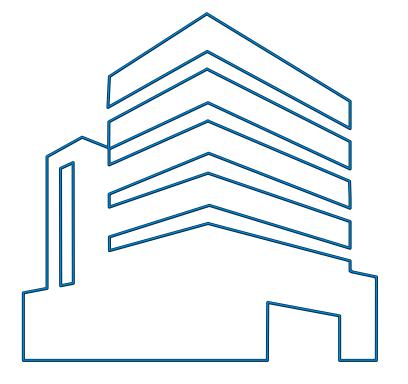


What is reality data?

Data that provides digital context for all phases of an asset lifecycle.



Acquiring reality data











Handheld camera



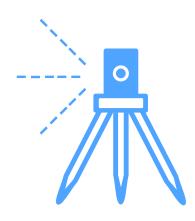
Mobile phone

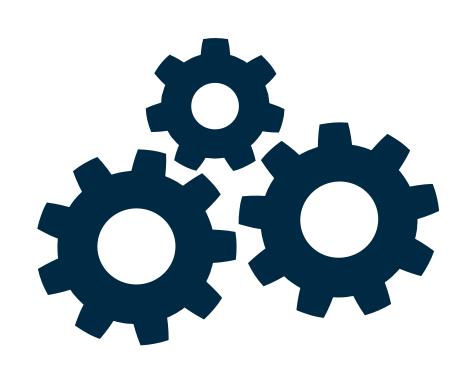


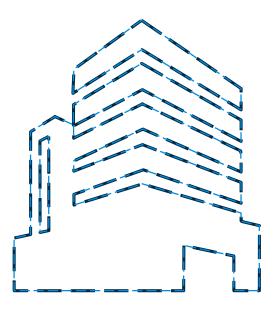
Processing reality data into a reality model



Photos



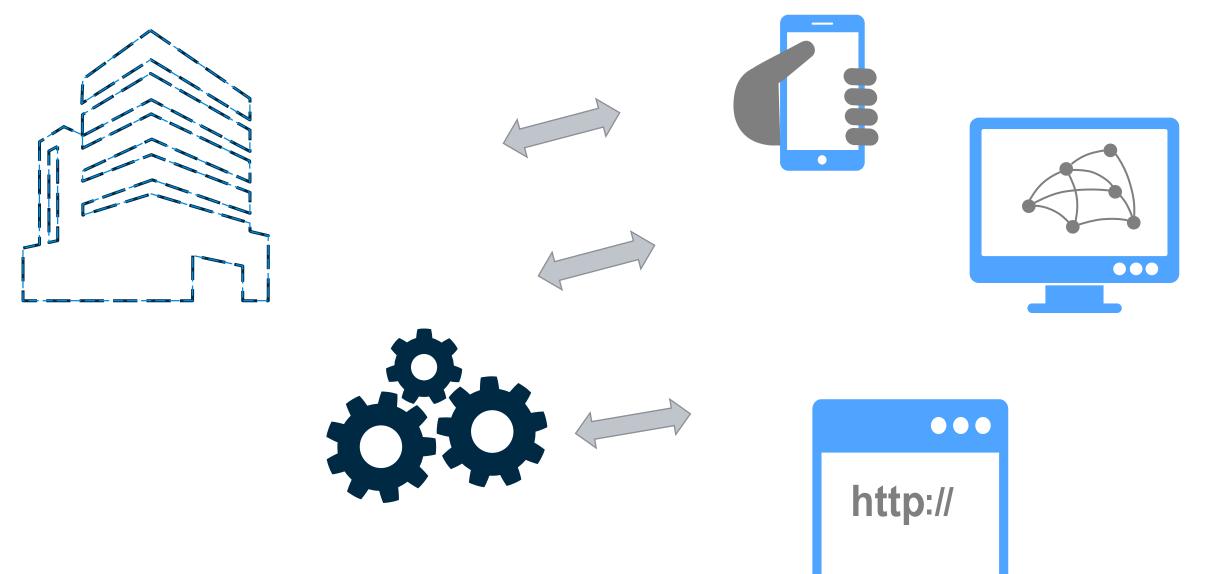




Reality model



Collaboration and consumption of reality data

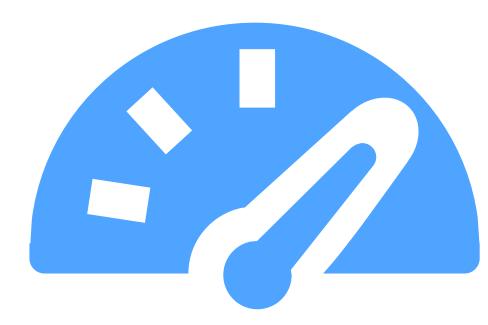


What are the issues we face with Reality data....





BIG Reality Data.. Terabytes...



Performance needs



.....

Managing reality data

 Geographically dispersed project teams require easily accessible data that is readily available to all team members.





Sensitive – who can access?





Sensitive – MUST stay in the country?



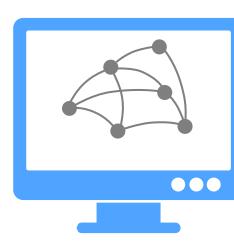


Getting the most value out of reality data

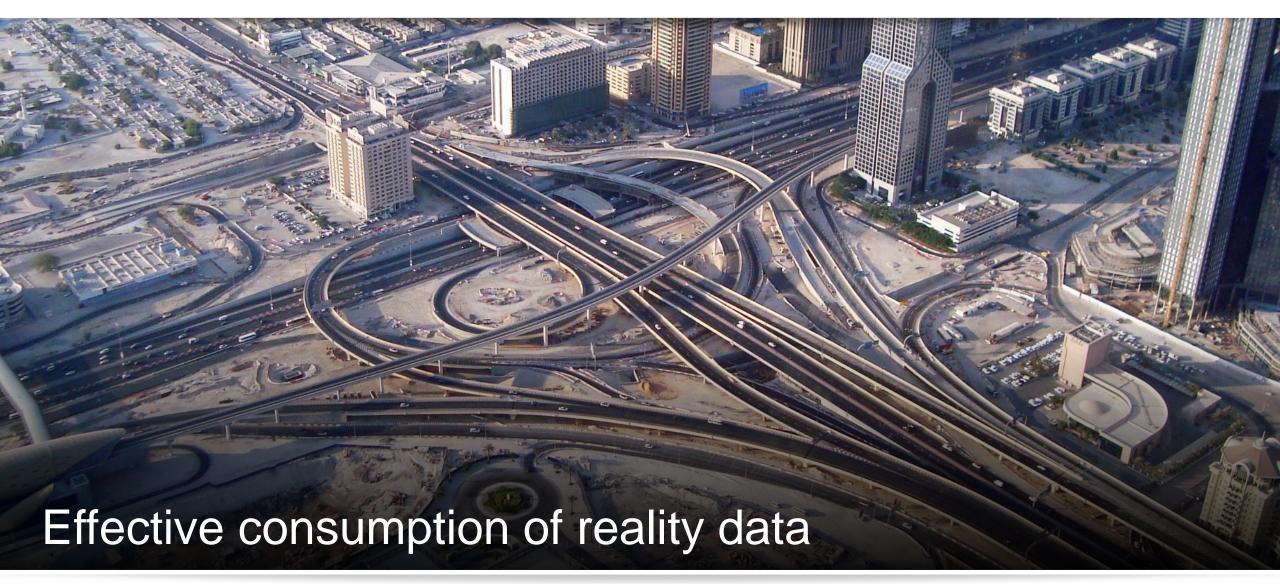
Touching more people



- Enable team collaboration and information sharing
- Analysis and compatibility with users' existing workflows



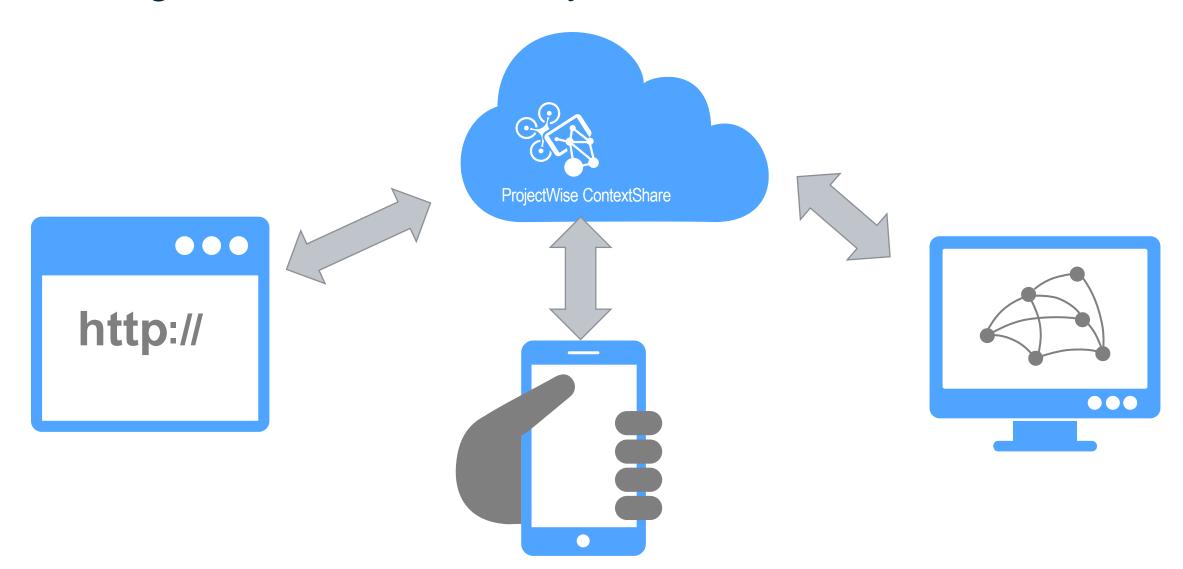




Using on-premises & cloud services



Manage and consume reality data with iTwin Services





What is ProjectWise ContextShare?

 A cloud-based solution that enables organizations to manage large quantities of reality data including reality meshes, point clouds, orthophotos and terrains.



Securely manage and control access to your reality data



Share your reality data with team members of ProjectWise projects

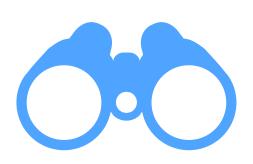


Easily search, download or stream your reality data



What is Reality Data Web Viewer?

 A cloud based solution allowing users to visualize, navigate and annotate large reality meshes and terrains.



Visualize reality meshes and terrains in a web browser using desktop and mobile devices



Use navigation tools to inspect and analyze reality meshes and terrains



Interactively link business and engineering data to reality meshes and terrains



Supported datacenters



Reality mesh streaming

Download:

- Use different applications to download and consume a reality mesh
- Latency between operations

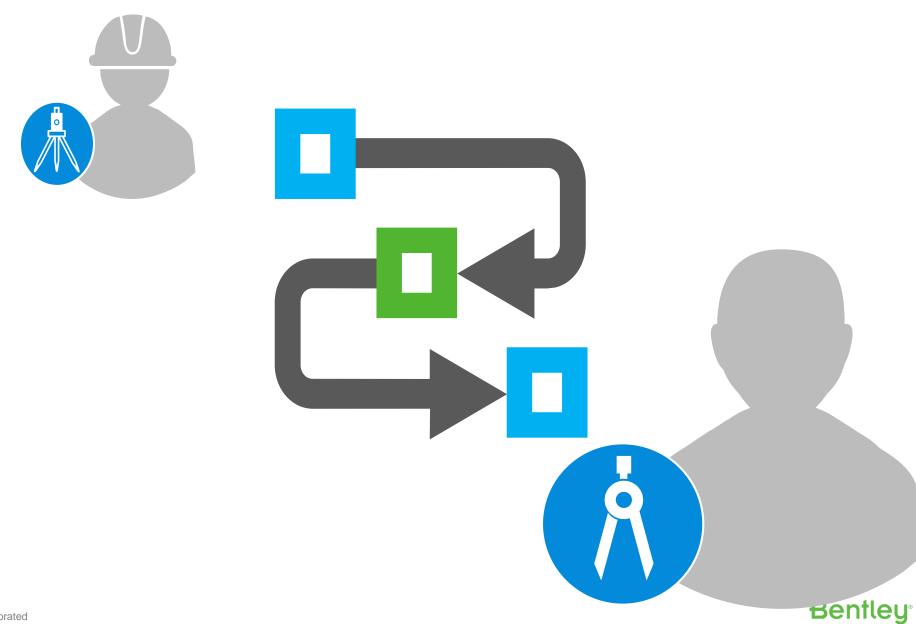
Streaming:

- Attach reality mesh from MicroStation-based applications
- Ready to work within seconds

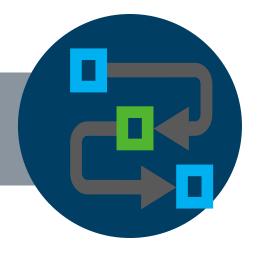
File Size	Download duration @ 8 MB/s
1 GB	~2 minutes
5 GB	~10 minutes
10 GB	~20 minutes



Some Workflows



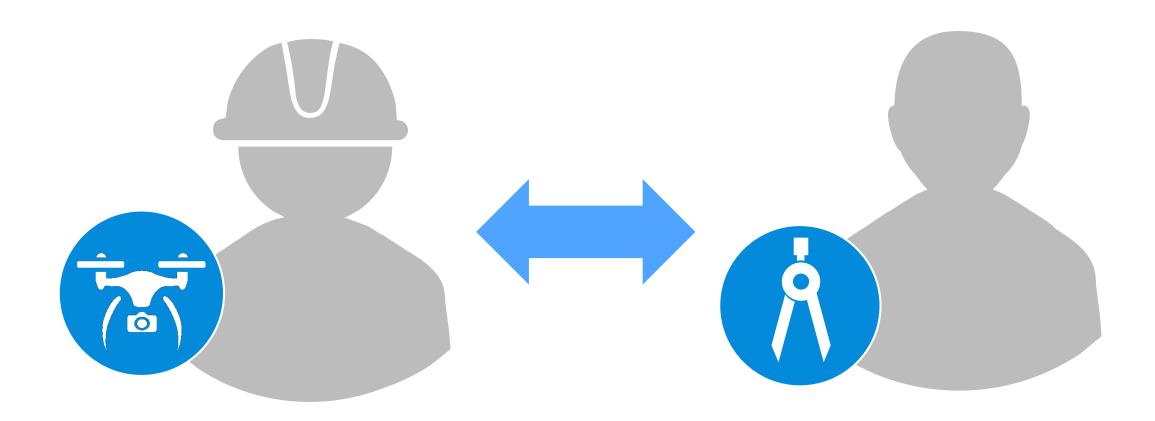
Inspection by photogrammetry and reality model annotation







Collaboration



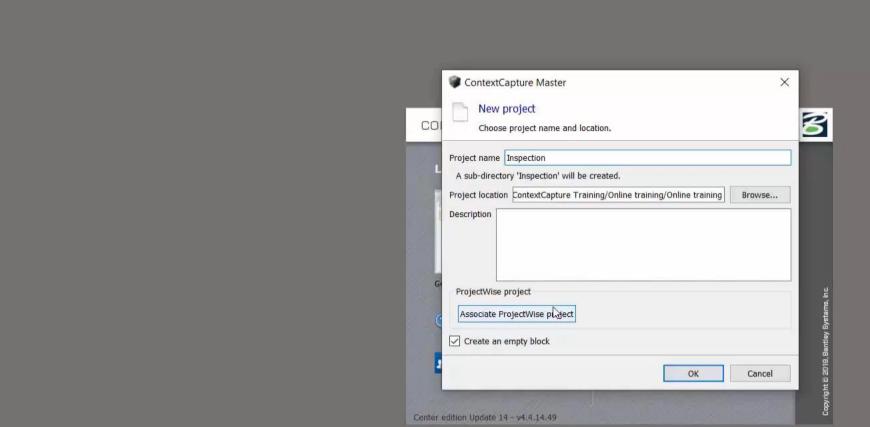


Generate high-fidelity 3D reality meshes





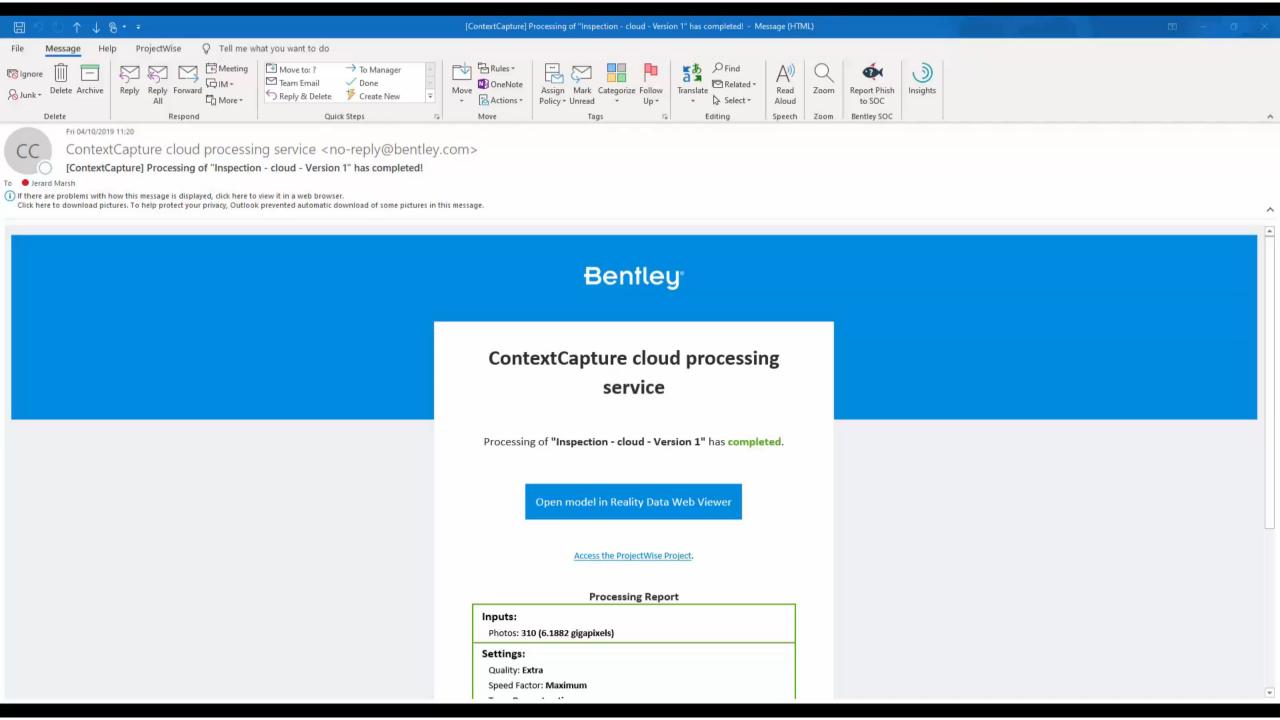
Project Block Reconstruction Production Insight Tools Help



Review reality mesh in the Reality Data Web Viewer



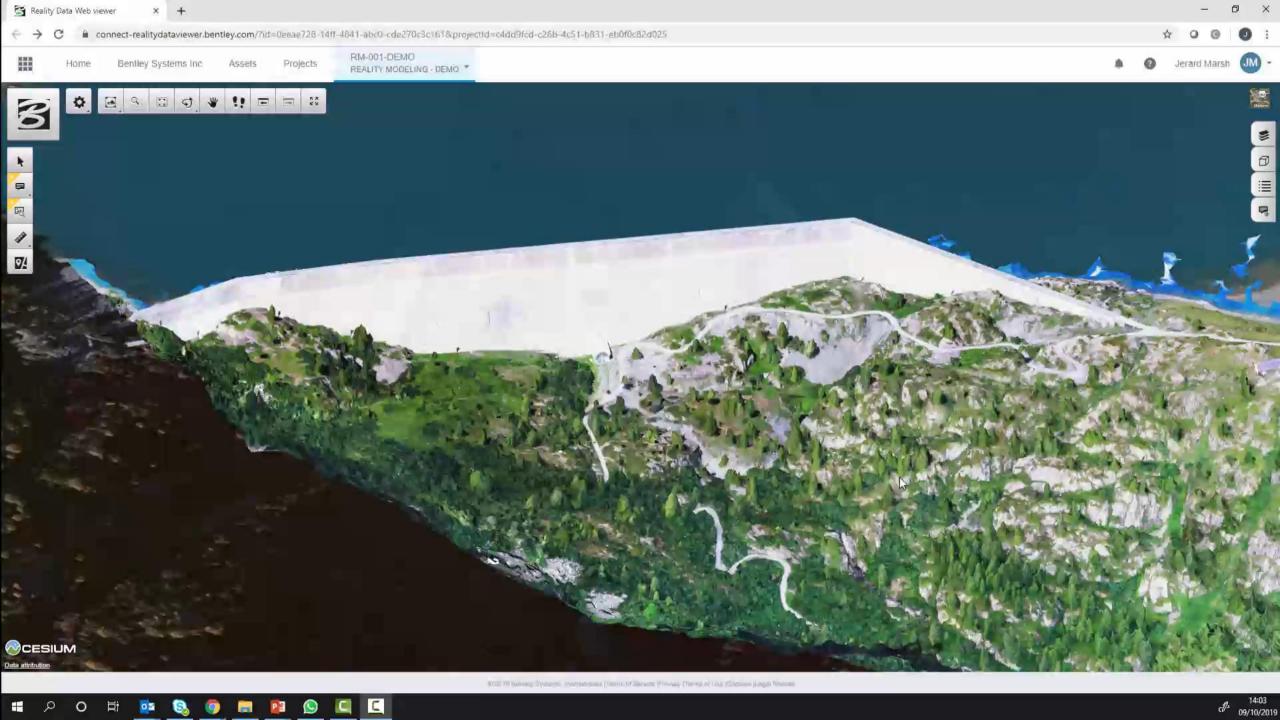




Add team members for online review







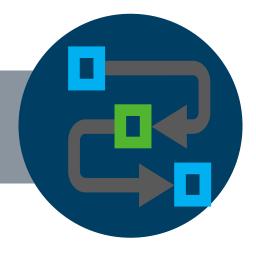
Inspect and annotate the reality mesh and data





Support inspection workflows with Reality Data Web Viewer

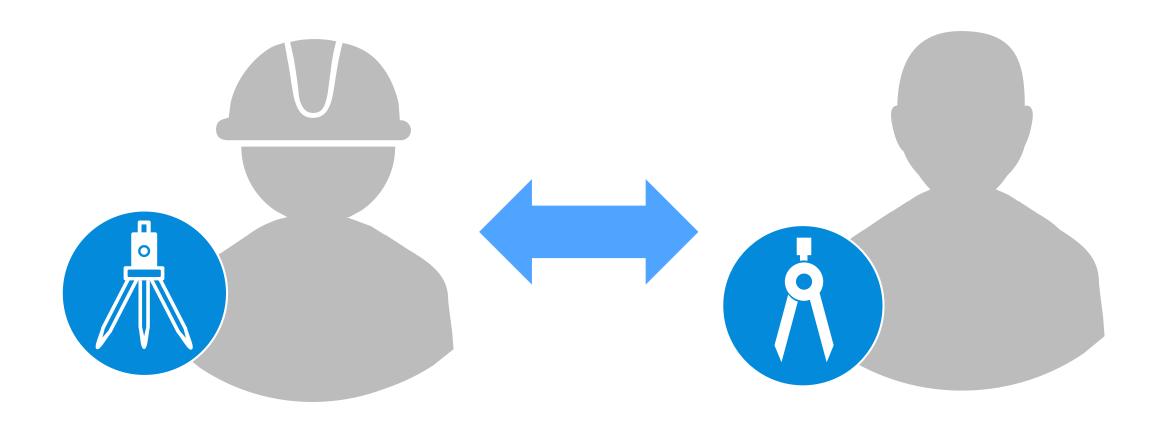
Land survey by photogrammetry and terrain creation







Collaboration





Generate high-fidelity 3D reality meshes





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Search







No recent projects

S

You can browse files or create a new project

Favorites

Stream reality mesh to MicroStation-based applications





Recent WorkSets

You haven't opened any files from a WorkSe recently.

Browse for files, create a new file, or select another WorkSpace or WorkSet from the dropdown menus.

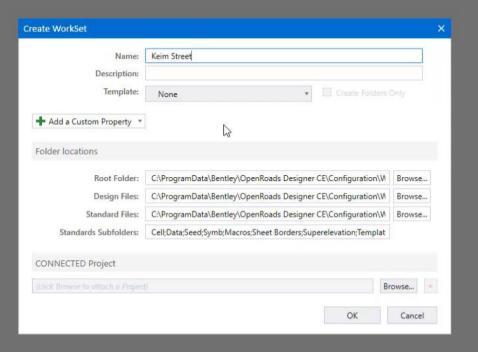


OpenRoads Designer CONNECT Edition

Imperial Standards *

You have no WorkSets. Create one now?

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Extract ground surface from reality mesh





