

AUTODESK® RECAP™ PRO

Reality capture software that connects the physical world to the digital

Scanning software to create 3D models from imported photographs and laser scans. Deliver a point cloud or mesh in support of BIM processes.



CAPABILITIES

- Create digital representations (point clouds) of existing conditions by scanning sites, structures or other physical objects using drone mounted cameras or laser scanners.
- Align multiple scans to automatically generate a complete view that is “registered” to a common coordinate system.
- Matching algorithms identify close matches that can be merged with a single click.
- Quickly clean-up point clouds removing unwanted objects or filling in gaps.
- Create CAD-ready meshes.

BENEFITS & OUTCOMES

Create Survey-Grade 3D Models

Create 3D models of existing conditions from imported photographs and lasers scans.

- Improve win rate
- Design considering environmental impact

Support BIM Processes

Deliver point clouds, meshes, and ortho photos that can be incorporated into BIM design workflows.

- Improve design decisions
- Reduce design time
- Minimize errors

Accelerate Project Delivery

Share measurements, mark-ups and site tour animations with project stakeholders for review and feedback.

- Improve collaboration
- Increase stakeholder buy-in



“Reality capture and ReCap has fundamentally changed our communication and collaboration strategies. The software is very easy to use, relatively inexpensive, and works seamlessly with almost all Autodesk products, so our scanned data can be shared and used by a much wider audience. ReCap has been a game changer for us.

—**David Winslow**, CAD manager and civil engineer,
Bureau of Reclamation

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