

# SCENE Webshare Cloud

Digital Twin Platform for Project Management and BIM Workflows

FARO® SCENE WebShare Cloud is a cloud-based hosting platform, offering real-time access to the latest reality data for worldwide project management and BIM workflows. This service supports 3D reality data of unlimited size and independent of their source of capture to be stored, viewed, evaluated and shared from authorized persons only, anywhere and at any time, using a web browser. All common industry standard formats for downloading reality data are supported, enabling seamless and collaborative Scan-to-BIM workflows.



## Features

### Flexible Reality Data Upload

Upload 3D reality data of any source, captured by terrestrial laser scanners, hand-held scanners, drones, mobile scanning systems and photogrammetry devices from FARO and other scanning solution providers without constraints in data size.

### Easy Data Visualization and Sharing

Various viewing modes provide an impressive visualization of uploaded data and easy orientation for project exploration. Make point cloud projects accessible to partners via its unique URL.

### Powerful Evaluation Tools

Evaluate captured reality data directly in a web browser. Take, edit and share measurements and add annotations, organize data using categories and reference tags or add links to external data sources like Dropbox and Box Cloud Storage.

### Ortho Image Functionality

Download true to scale ortho images created from any point of view to be used for efficiently generating 2D deliverables such as floor, elevation and facade plans or sections.

### Point Cloud Download for Scan-to-BIM

Sections and entire projects can be downloaded as 3D point clouds or panoramic images, using file formats such as \*.rcp, \*.pod, \*.xyz and \*.e57 for direct use with Autodesk® and Bentley Pointools portfolio or any other CAD and BIM software.

### Management Platform Integration

Directly integrate SCENE WebShare Cloud into the Autodesk® construction management tool BIM 360™ or Nemetschek's Allplan Bimplus. Use deep links to implement certain views into BIM, construction, facility and asset management databases.

## Benefits

**Productivity Advancement:** Easy to learn, simple to use and affordable to implement, SCENE WebShare Cloud guarantees fast reality data exchange among partners for seamless, highly-efficient project management without utilizing data storage on a local server, using third-party cloud services or shipping data physically.

**Customizable Download:** Export functionality enables new time-saving workflows through exporting sections and complete projects directly without conversion breaks into any preferred target design system for tasks, for example, as-built modelling and construction QC.

**Interactive and Definite:** Provides immediate access to all project partners of the latest Digital Twin, ensuring collaborators operate with the identical level of knowledge, thus avoiding redundant and outdated data, faulty communication, erroneous project decisions and site rework.

**Flexible Project Groups:** A simple, yet, sophisticated project and user management logically authorizes defining access rights and user permissions as required. Share projects with partners worldwide independent from having a user account.

## Key Features

### Data Upload into the Cloud

- Upload 3D reality data via FARO SCENE or SCENE LT (free) software in high resolution without quality reductions and data simplifications as \*.fls, \*.pts, \*.ptx, \*.ptz, \*.xyz, \*.e57, \*.cpe, \*.sfm, \*.las and \*.laz files.
- Directly upload 2D floor plans and panoramic images from the FARO ScanPlan™ 2D handheld mapper.
- Use structured and unstructured 3D reality data from terrestrial laser scanners, hand-held scanners, drones, mobile scanning systems and photogrammetry devices from FARO and other scanning solution providers without constraints in data size.
- Add 3D point clouds to already uploaded projects to expand with reality data of various points in time for documenting different project stages.

### Data Visualization, Evaluation and Sharing

- View and explore captured 3D reality data directly in any web browser. Multi-layer overview maps, 3D views and panoramic scan views provide a powerful visualization and easy orientation even within most complex projects. Impressive Virtual Reality view functionality gives a feeling of being live on site.
- Dynamically move within scan projects by clicking on the different scan positions.
- Take, edit and share measurements and annotations in all different view modes.
- Create categories and reference tags for comprehensive data organization and data filtering.
- Add links to data and documents located on external data sources like Dropbox or Box Cloud Storage.
- Make all project data accessible to partners worldwide via unique URLs, ensuring best project overview and collaborative decisions based on one single source of truth.

### Ortho Image Functionality

- Generate true to scale ortho images within the ground and facade view mode from free configurable positions with full color detail to be downloaded for creating 2D deliverables like floor, elevation and facade plans or sections.

### Deep Link Functionality

- Directly integrate SCENE WebShare Cloud into the Autodesk® construction management tool BIM 360™ and Nemetschek's Allplan Bimplus platform.
- Every point of view is accessible from outside by sharing its unique URL. Partners receiving the URL only need to copy and paste into the hyperlinks of any system or embed the specific SCENE WebShare Cloud view as an iFrame into online software tools for BIM, construction, facility and asset management.

### User and Project Management

- Invite an unlimited number of clients, suppliers, team members or other partners to join the platform.
- Flexible, sophisticated user right management allows to manage projects in customizable user groups. Complex work and coordination steps are transferred into the cloud.
- Define authorization like access rights (public or private projects) and user permissions for administration, data upload, sharing or download, flexibly giving partners access to reality data from anywhere in the world.
- Projects can be shared with partners without the need of owning a SCENE WebShare Cloud user account.

### Data Download from the Cloud

- Sections and entire scan projects can be downloaded as 3D point clouds or high-resolution panoramic images to be used directly in the target design system for seamless Scan-to-BIM operations without conversion breaks.
- Export data as common industry standard formats:
  - Unstructured scan data: Autodesk® ReCap format (\*.rcp), Bentley Pointools format (\*.pod), FARO file format (\*.cpe), XYZ ASCII file format (\*.xyz) and \*.e57
  - Structured scan data: \*.e57
  - High-resolution panoramic images: \*.jpg

### FARO Security Promise

- FARO provides the IT infrastructure, guaranteeing highest security standards for safely hosting sensitive workloads in the cloud, making sure no information gets lost.
- SSL encryption ensures the protection of personal and project data by meeting the highest security standards, while being fully compliant with the GDPR regulations of the European Union.
- Uploaded data is stored in European and US American data centers, using Amazon Web Services (AWS).

## Industries

Surveying | Architecture | Engineering | Construction | Facility Management | Historic Preservation

## SCENE WebShare Cloud Packages Overview

	Base Package	Pro Package
Data Storage	100 GB/month <sup>1</sup>	500 GB/month <sup>1</sup>
Data Traffic <sup>2</sup>	Unlimited	Unlimited
Features Included	All except 3D data download	All

<sup>1</sup> Data storage can be extended at any time.

<sup>2</sup> Includes all data traffic like data uploads, downloads etc.

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