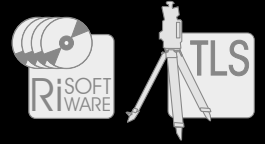


RiPANO



RiPANO is a software for fast and easy visualization of terrestrial laser scan projects.

It allows CAD users to easily extract ortho views and plots for further use in CAD software.

The software runs plugin-free in a browser or stand-alone on Windows or MacOS computer.



3D point cloud



Orthogonal view of 3D point cloud created in RiPANO

RIEGL

Software for Terrestrial Scan Data Visualization

Explore Your Project and Extract Plots in Your Browser



www.riegl.com



RIEGL LMS GmbH, Austria

RIEGL USA Inc.

RIEGL Japan Ltd.

RIEGL China Ltd.

Create

To create a RiPANO project, you have the possibility to:

- **Acquire a new project:** Acquire a new scan project, e.g. with the *RIEGL VZ-400i**, include images if desired and use the automatic on-board registration. Import the project into RiSCAN PRO, RiSOLVE or RiMINING. Register the project; if it was not already registered by the scanner's automatic on-board registration, colorize your point cloud and create RiPANO projects straight out of RiSCAN PRO, RiSOLVE or RiMINING. Use the built-in exporter to create the panoramas, the HTML page, and an out-of-the-box server.



*For an optimum presentation of your project with RiPANO, we recommend to use a full field-of-view (FOV) scan pattern, e.g. Panorama40, which uses a horizontal FOV of 360° and a vertical FOV of 100°.

Scan

optional with images and on-board registration



Import

in RiSCAN PRO, RiSOLVE or RiMINING



Register/ Multi Station Adjustment

(if not already registered by *RIEGL VZ-1* Series automatic on-board registration)



Colorize



Export RiPANO Project

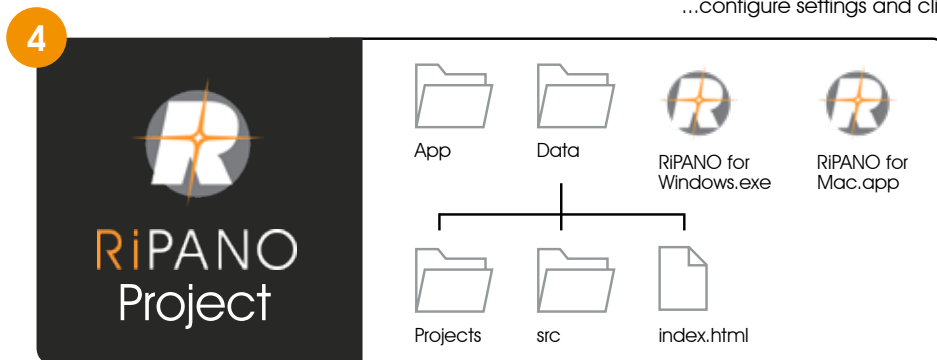


- **Export any existing project for RiPANO:** You can create a RiPANO project in RiSCAN PRO, RiSOLVE or RiMINING for any scan project acquired with a VZ-Line Scanner. To export RiPANO projects with RiSCAN PRO a separate RiPANO license for RiSCAN PRO is required.

1 Use Panorama Export,...

2 ...choose RiPANO,...

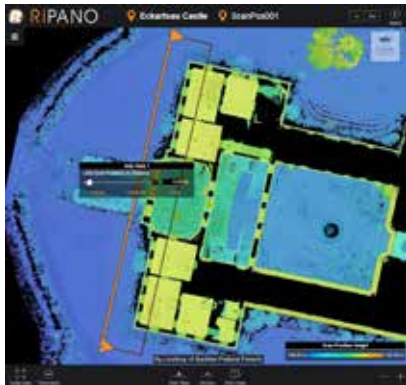
3 ...configure settings and click "OK".



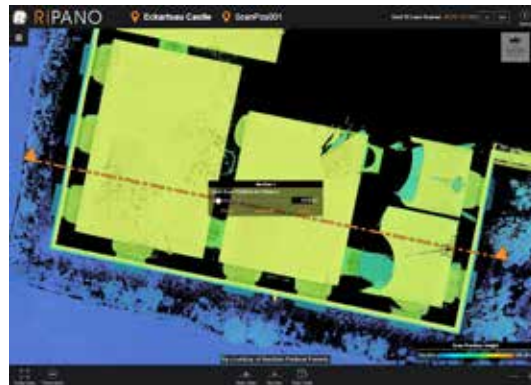
Define

- Choose one of the given options "Side View", "Section", or "Plan View" in RiPANO to create one of the according views:

Side View



Section

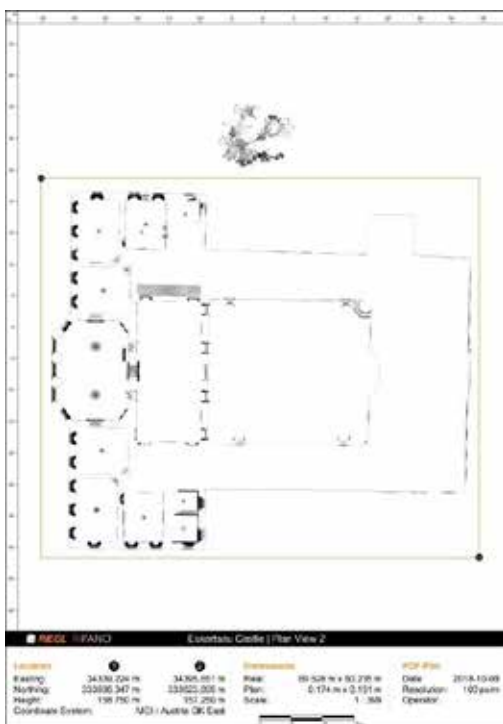


Plan View

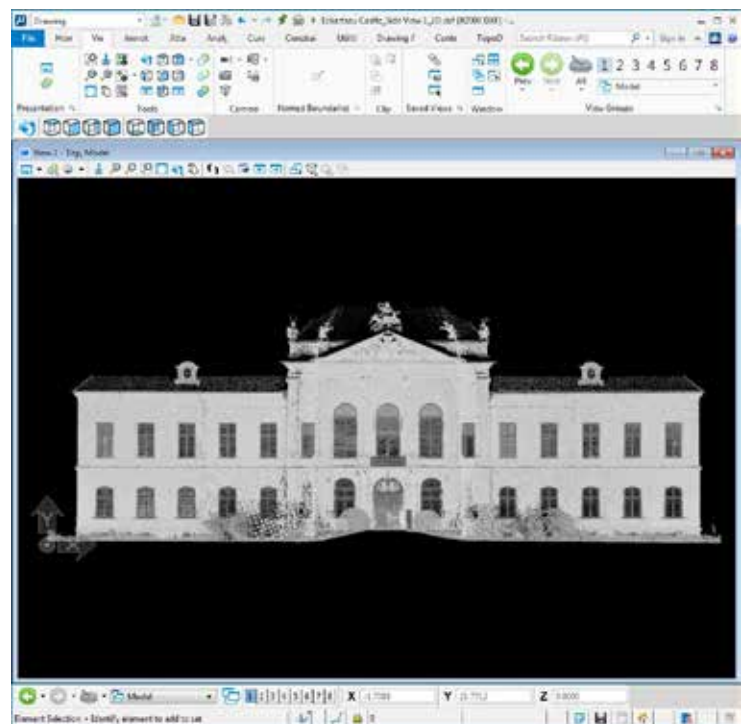


RiPANO Results

- pdf document**
can be read with Acrobat Reader,
2D measurements possible
- dxf file** (with ortho image)
can be read and edited with CAD software



Plan View as pdf document



Side View in CAD software

Inspect

- Keep oversight and easily navigate through
- Readout coordinates: Lat/Lon/Alt or user defined coordinate system (e.g., Gauss Krueger)
- Place markers, measure distances and paths



Panorama View, reflectance coded:
Set markers, measure distances and export them



Top View with satellite image



Panorama View of a colored point cloud

Share

- **Share via web- or intranet server:** Upload the data folder to a web- or intranet server and RIPANO can be accessed by any browser. Each RiPANO project offers multiple user access. The data owner retains full access rights to the RiPANO project.
- **Share on Premises:** A RiPANO project includes the data and the software necessary to run the project on a Windows and MacOS computer. There is no need to install any additional software to view a RiPANO project.



Share on Premises



Share on the Web



Easily publish your data via QR-code