

3D models and point clouds from a few seconds of video

Rezo Process is the software behind photogrammetric survey: your crew films the site, the software returns geometry you can measure. Innovative, site-ready solutions for public works — suited to the construction site, to improve the productivity and the safety of operations.



CAPTURE ON SITE — NO SURVEYOR

01 Capture

A few seconds of video, shot by the people already on site.

- If you can walk, it works
- No GPS, no ground control points
- 360° camera for manholes, shafts and dark dark confined spaces
- GNSS RTK antenna when centimetric georeferencing is required

Initial survey or site-phase progress capture, as often as the works require.



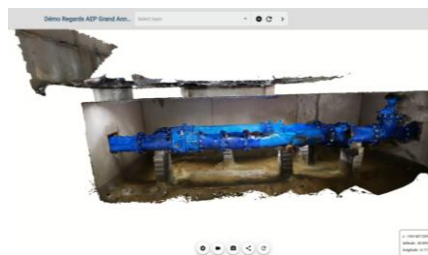
ORTHOPHOTO — WATER NETWORK MANHOLE

02 Process

Rezo Process processes the images to generate a coloured point cloud, to scale and georeferenced.

Topographic-grade geometry out of ordinary footage: precise and exhaustive, in a single intervention, with no waiting for the surveyor.

SCALED · GEOREFERENCED
MANUAL CALIBRATION
GNSS RTK CONNECTION



GEOREFERENCED POINT CLOUD — 3D VIEWER

03 Output

Deliverables that go straight into study, design and archive.

- Coloured, scaled point cloud
- Orthophoto
- Precise 3D model for study and design design
- Digital plan minute
- Virtual visit, and GIS layers in augmented reality on site



AUGMENTED REALITY — GIS DATA IN PLACE

ADVANTAGES

No waiting for the surveyor — full autonomy

One trip per site, exhaustive and precise

Fast to process, costs under control

Visual archive of the initial state