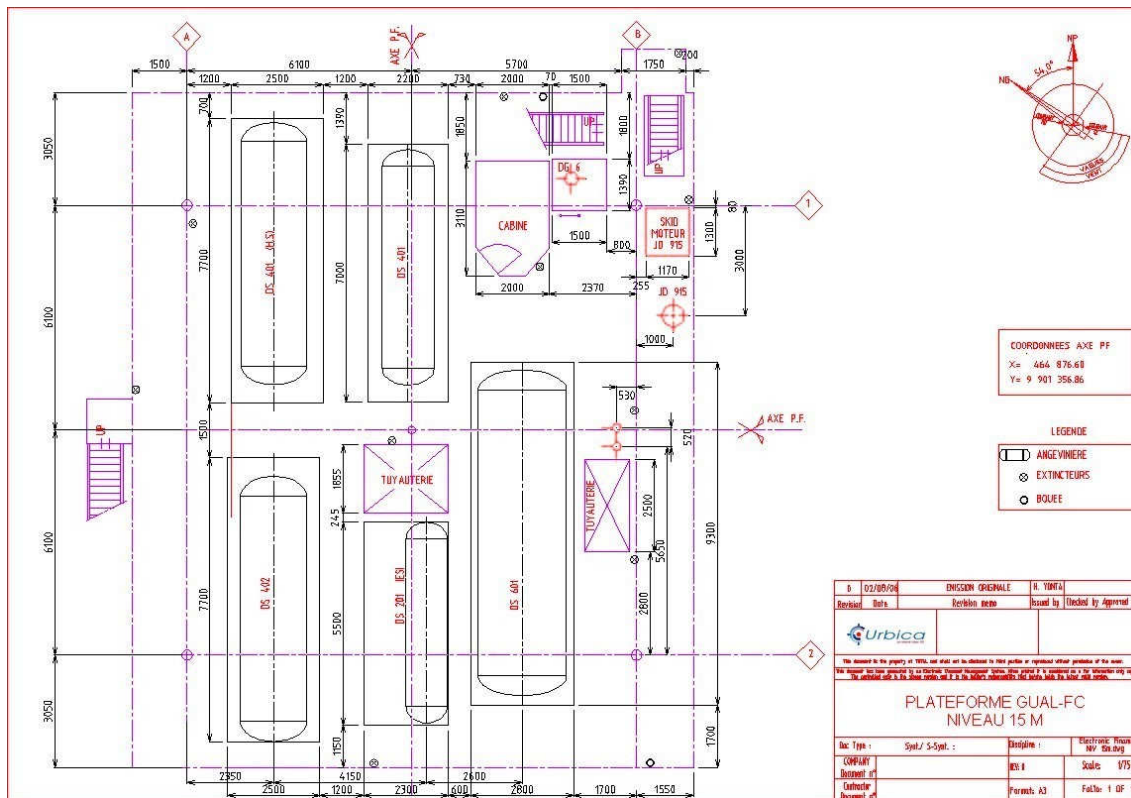


The digitization of "two dimensional" documents has been the core business of Urbica for 25 years. With the advent of technologies such as 3D laser scanning, a new method is available for the production of crop section, plan views, elevations, sections or profiles.

A 3D point cloud will allow the extraction of 2D views in any direction and from any position required. Consequently, once a survey has been completed, there is no need to return to the field: all the raw material is there in your office and in your software, just as it exists on site. The choice of number, "pitch" and direction is up to you.

In many cases, 2D sections extracted from a point cloud will be more accurate than a 3D model. These sections provide a faithful representation of the forms of the digitized component concerned. Also more cost-effective than a 3D model, a 2D plan will provide a clear version of the installation for a user who is not familiar with 3D CAD softwares.



A section or profile generated by a 3D laser scanner may take two forms:

- a vectorized form, which will require the execution of a drawing phase by an operator;
- in point cloud form, a single extraction of the required view from the complete file.

In many cases, 2D files will be requested in addition to the ScanReview, point cloud or 3D model of the scanned installation. Amongst other applications, these 2D files will allow the following:

- verification of the conformity of construction plans with the actual situation,
- the updating of PIDs, isometric diagrams, plot plans, layouts, profiles, crop sections and sections,
- the delivery of plans which are consistent with statutory requirements.

Find out about our other services by visiting our website at urbica.net.

To request a demonstration on your premises, call us on +33 141 500 036.

