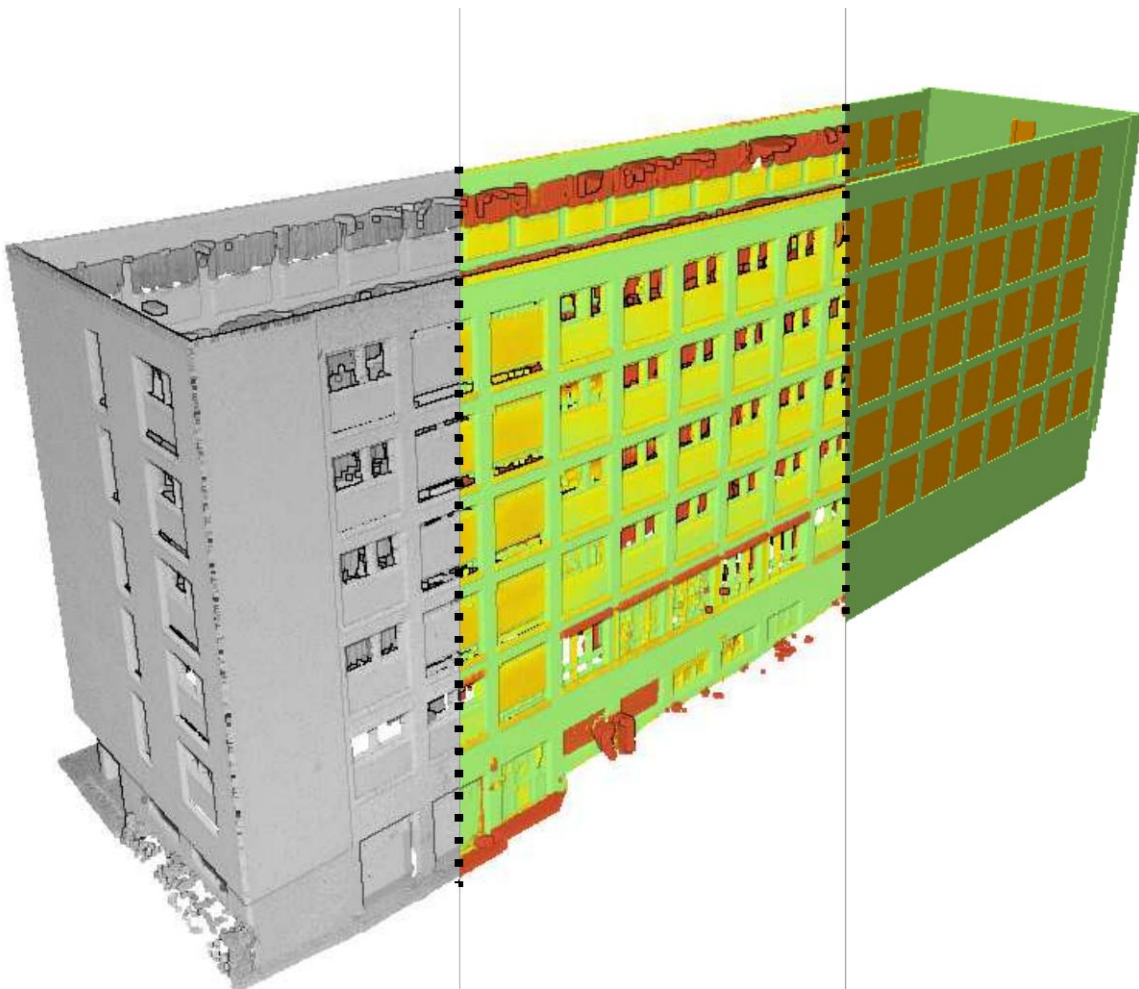




NORM3D

3D DATA PROCESSING SERVICES

NORM3D develops **AI algorithms**
specialized in BIM



NORM3D provides **NORM3D CONNECTOR**, a plugin fully integrated with Revit, enabling users to run processing tasks directly from the application in a simple, fast, and efficient way.



Automatic reconstruction of
your **DIGITAL MODEL** with the
SCANBIM solution



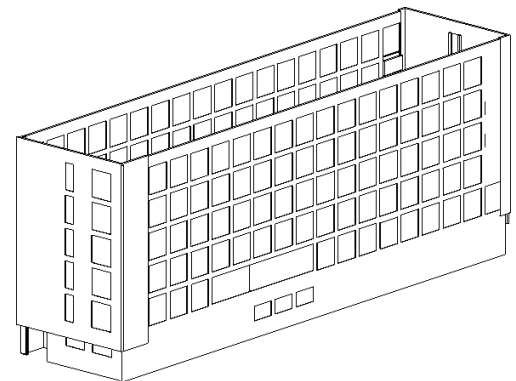
SCAN2BIM is an automatic assistance tool designed to
save time in the modeling of a 3D digital model from a 3D
point cloud.

The SCAN2BIM solution takes a 3D point cloud as input
(E57, LAS, RCS, ...). Our solution automatically generates
a 3D digital model in both IFC and RVT (Autodesk Revit).

From 3D point cloud to digital model



E57
LAS / LAZ
RCP / RCS
PLY ...



Additionally, NORM3D provides the SCAN2BIM 2D service to generate 2D plans (DXF) from a 3D point cloud.

Benefits provided by SCAN2BIM

Easy adoption: NORM3D's solution is user-friendly and requires no prior experience.

Improved comfort: NORM3D's solution simplifies modeling tasks.

From pointcloud to model in a short time : few hours

Direct answer to BIM professions needs : by directly generating an accurate result in RVT/IFC format

Interoperability: by any compatible software (third-party applications, SaaS, etc.)

Time optimization: achieve up to 85% increased productivity.



Control the Reliability of your **DIGITAL MODEL** with the **BIMAQ** solution

The BIMAQ solution (BIM Assurance Quality) enables the verification of the accuracy of an IFC model or a Revit model against a 3D point cloud.

BIMAQ takes as input an IFC model or RVT together with a 3D point cloud (E57, RCS, PLY, etc.) and generates a colorized point cloud as well as a BCF (BIM Collaboration Format) file. These deliverables make it easy to quickly identify discrepancies between the point cloud and the digital model.

From digital model to quality control

Digital model



Additionally, NORM3D provides the BIMAQ 2D service to control the quality of 2D plans (DXF, DGN, DWG) in relation to a 3D point cloud.

Use cases



Verify the reliability of the model against the point cloud it was built from.



Check the work carried out on the building against the as-designed model.



Identify the areas to be updated in the model for management, operation, and maintenance purposes.



Facilitate the creation of the as-built model from the as-designed model.



The CLEANER solution allows for cleaning a 3D point cloud by preserving only the points related to the 3D digital model.

CLEANER takes as input an IFC model or RVT together with a 3D point cloud (E57, RCP, PLY, ...), and generates a simplified 3D point cloud (E57/RCS).

Simplification of the 3D point cloud

