

AS-BUILT DIGITALIZATION TO 7D BIM
THE PROCESS

1

SITE DEMARCATION

Identifying the site boundaries and buildings to be documented

2

SCANNING

Buildings are scanned and documented using a combination of terrestrial laser, LiDAR and point cloud technology to accurately deploy reality capture

3

POST PROCESS

Gathered data are processed to ensure calibration with available site and building survey

4

ANALYTICAL MODELLING

The data is then analyzed, extrapolated and modelled into a REVIT model to allow tagging

5

ASSET TAGGING

Permanent and movable assets are tagged with unique identifiers for them to be isolated and reported individually in REVIT.

6

DELAP REPORT

Condition and existing defects within the structure are then recorded in a detailed report which may include cracks, distortion, leakages, settlement, and others.

IN RESEARCH AND DEVELOPMENT

7

DATA EXTRACTION

Tagging data are extracted and filtered accordingly via our parametric and visual programming tool for classification and clustering.

8

FM-UI INTEGRATION

All data are then compiled into an easy to navigate UI. This can then be extended into a facility management software to create a consolidated FM system.