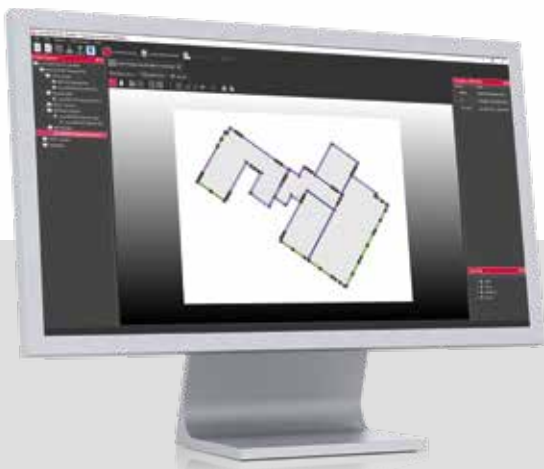
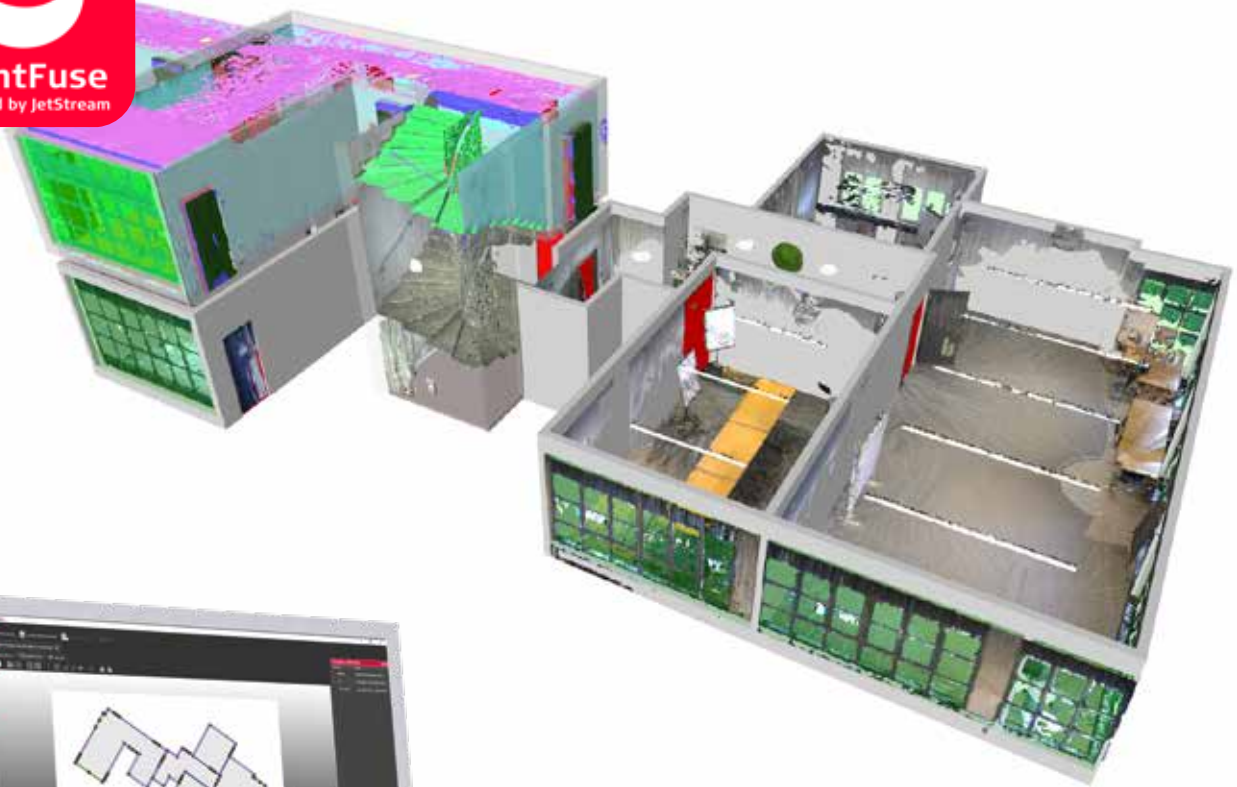


PointFuse powered by JetStream

3 simple steps from Scan-to-BIM



QUICK AND EASY CREATION OF LOD200 BIM FOR SPACE AND FACILITIES MANAGEMENT

- Companion product to the BLK2GO
- Automatic point cloud to mesh conversion software
- Integration with LGS format
- Automatic segmentation
- Creates LOD200 BIM models, floor plans and building reports
- Companion product to the BLK2GO

Space and facilities managers are adopting reality capture technology as an input to their established Enterprise Resource Planning (ERP) workflows. The features of Leica BLK2GO in combination with PointFuse powered by JetStream enables rapid data capture and simplified processing of spaces into multi-use 3D models.

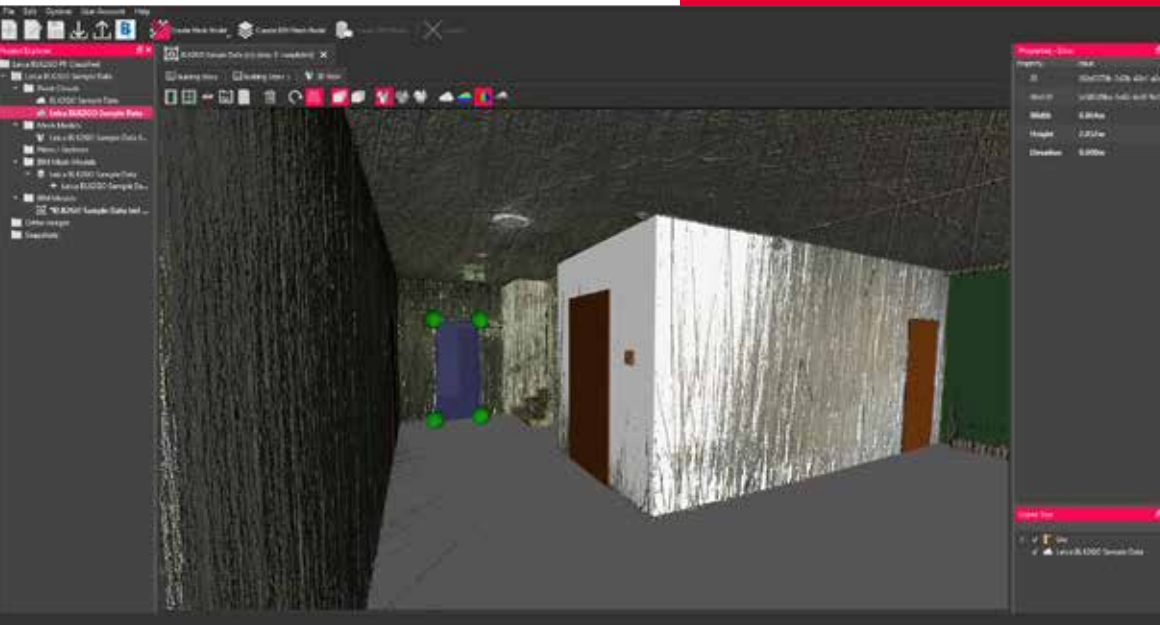
PointFuse powered by JetStream is a powerful modelling engine that enables the quick and easy conversion of point clouds into BIM. With a simple interface, users can produce LOD200 BIM outputs in both 2D and 3D. With PointFuse powered by JetStream, go from BLK2GO data capture to a complete deliverable in a matter of minutes. Industry standard IFC format ensures that your delivered model is compatible with any facilities management workflow and client requirements.

leica-geosystems.com



- when it has to be **right**

Leica
Geosystems



3 STEPS to BIM

PointFuse powered by JetStream offers users of all abilities a simple 3-step process for converting point cloud data into a BIM output. Automatic processes combined with user verification ensures that the workflow from point cloud to BIM is quick and efficient making it the perfect companion for the BLK2GO for space and facilities management applications.

STEP 1 – Create a lightweight segmented model

Choosing the “Leica BLK2GO” profile kicks-starts a process that automatically produces an optimised, textured and segmented mesh model.

STEP 2 – Classify the model

A customisable IFC template allows the user to setup fields and classes that apply to their project deliverables, ensuring that the data follows a standardised structure. PointFuse powered by JetStream automatically classifies large planar surfaces into horizontal and vertical groups. Users validate and identify walls, windows and doors that are then automatically converted into BIM elements using the unique Space Creator tool set. Simple tools and keyboard shortcuts ensure manual time is minimised.

STEP 3 – Space Creator to create LOD200 BIM model

The Space Creator runs automatically to convert walls, windows, doors and floors into BIM elements. Simple CAD tools allows the user to verify and edit the data before exporting to IFC or Building Reports in PDF and CSV formats.

PARALLELISED PROCESSES

- Integration with LGS format allows for a simple, fast route from Cyclone REGISTER 360
- Fast conversions and unlimited scalability in all aspects of the software
- Intelligent resource management and point cloud tiling ensures results even on lower spec machines*

SIMPLIFIED CREATION OF MESH MODEL

- Preset profile optimised for the Leica BLK2GO refines the triangulation, segments and textures the mesh model ensuring great results the first time
- Objects can be easily grouped, classified and tagged with an asset ID or deleted to remove noise from the scene

SIMPLIFIED CREATION OF LOD200 BIM

- Classified models of walls, windows, doors and floors are automatically converted into parameterised BIM families
- Simple user interface with an easy-to-follow workflow
- A combination of automated processes and user verification ensures quick delivery of optimised results
- No plug-ins to third party software required

INDUSTRY STANDARD EXPORT FORMATS

- Using the industry standard IFC format ensures both the model and BIM exports are compatible with downstream BIM software
- Other formats, such as FBX, also support the texturing and classifications and are ideal for collaboration and visualisation
- Upload directly to Autodesk BIM360 to view the captured data in the cloud and in the field

* Minimum computer specification: 5x the LGS file size in available disk space. Intel i7 or Xeon. At least 12 GB RAM. Dedicated graphics card that supports OpenGL 3.3.

Copyright Leica Geosystems AG, 9435 Heerbrugg, Switzerland. All rights reserved. Printed in Switzerland – 2020. Leica Geosystems AG is part of Hexagon AB. 919711en – 07.20