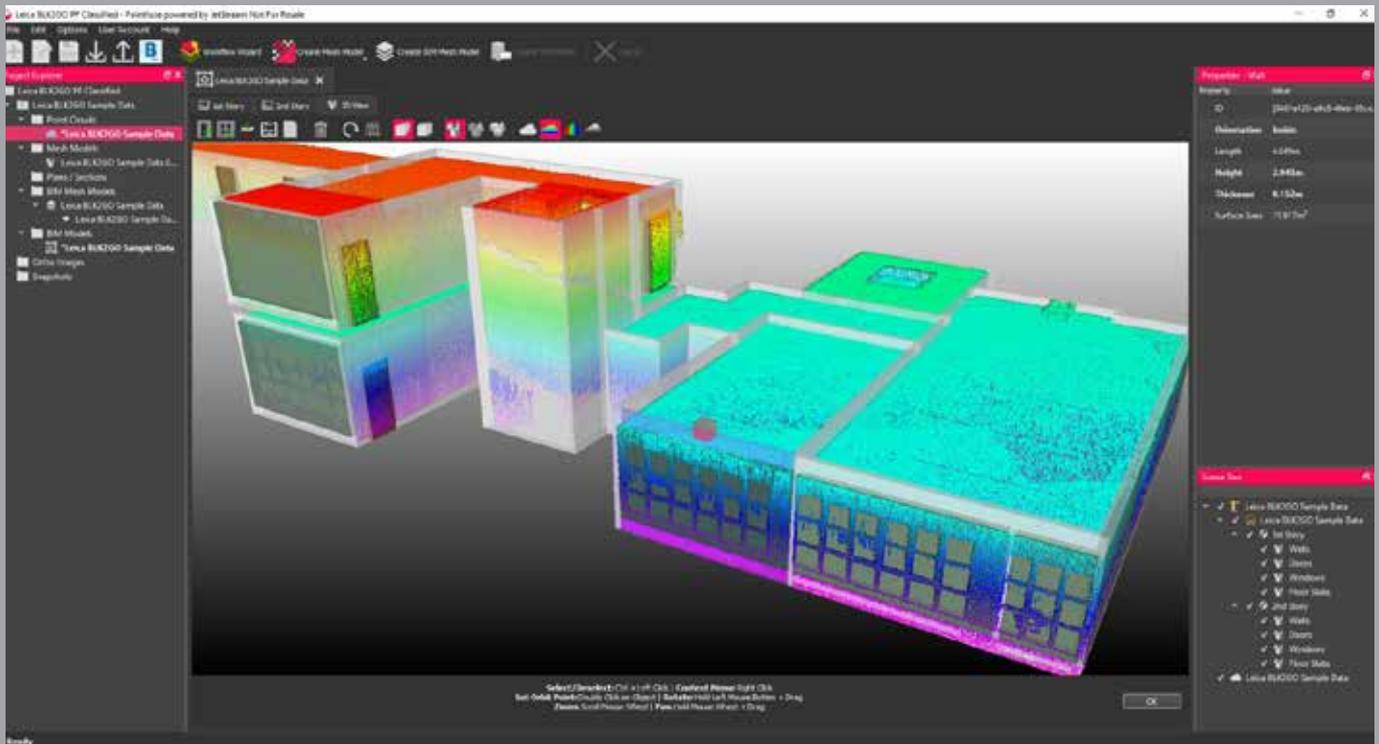


# PointFuse powered by JetStream Technical Specifications



Valid as of June 2020

leica-geosystems.com



- when it has to be **right**

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Geosystems

PART OF  
**HEXAGON**

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## Technical Specifications

SOFTWARE FUNCTIONS
New Project setup
New Project Wizard options
Point cloud option
Visualisation
Digital Construction
Space Management
Workflow Wizard options
Visualisation
Digital Construction
Space Management
Import Point Cloud – formats:
LGS
RCS/RCP
E57
PTS
LAS/LAZ
FLS
ZFS
CL3/CLR
DP
XYZ
Create Mesh Model
Preset processing profiles
Custom mesh processing options (advanced settings)
Resolution
Planar Fitting Tolerance
Surface Angle Tolerance
Surface Area Tolerance
Generate Textures (Maximum Resolution)
Generate Supertiles (Maximum Supertile Size)
Create BIM Mesh Model
Classification levels and layers
IFC layer mapping
Customisable Layer Templates
Create BIM Model (Space Creator)
Classified mesh elements converted into BIM
Walls
Window
Doors
Export (single)
Upload to BIM 360 (single)
Batch Export
Export formats mesh and BIM mesh
IFC (classifications)
FBX (classification and texture)

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## Technical Specifications

OBJ (classifications and textures)
X3D (classifications and textures)
SKP (classifications and textures)
STL (classifications)
NWC (classifications)
DAE (textures)
Export formats BIM Model
IFC (3D Model)
HTML (2D Report)
PDF (2D Report)
CSV (2D Report)
<b>POINT CLOUD TOOLS</b>
3D navigation, Pan, Zoom, Rotate
Open multiple point clouds into single view
Perspective/Orthographic view modes
Standard viewpoints
Top
Bottom
Left
Right
Front
Back
Point cloud lighting
Point cloud shader options
None
RGB
Intensity
Elevation
Show/Hide Grid
Crop point cloud
Orthographic image of point cloud
Orthographic image point cloud colouring method
Orthogonal distance
Elevation
RGB
Intensity
Orthographic image point cloud change background colour
Orthographic image point cloud camera position options
Top
Bottom
Left
Right
Front
Back
Snapshot formats
JPG

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## Technical Specifications

PNG
BMP
TIFF
<b>MESH MODEL</b>
3D navigation, Pan, Zoom, Rotate
Open multiple mesh models and point clouds into single view
Surface selection options
Append selection
Remove selection
Replace selection
Single select
Selection box
Selected Geometry Options
Move Geometry
Merge Geometry
Delete Geometry
Only show selected geometry
Scene tree visibility toggles
Free floating/orbital camera modes
Perspective/Orthographic view modes
Standard viewpoints
Top
Bottom
Left
Right
Front
Back
Mesh colouring options
None
Intensity
RGB
Show/Hide Grid
Crop mesh model
2D slice of mesh model
Orthographic image of mesh model
Orthographic image mesh colouring method
None
Intensity
RGB
Orthographic image of mesh model change background colour
Orthographic image of mesh model camera position options
Top
Bottom
Left
Right
Front

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## Technical Specifications

Back
Snapshot formats
JPG
PNG
BMP
TIFF
<b>BIM MESH MODEL</b>
3D navigation, Pan, Zoom, Rotate
Open multiple BIM mesh models into single view
Surface selection options
Append selection
Remove selection
Replace selection
Single Select
Selection Box
Selected Geometry Options
Move Geometry (Button)
Merge Geometry (Button)
Delete Geometry (Button)
Only show selected geometry (Button)
3D Select Tool
Dynamic toggling of level/layer visibility
Free floating/orbital camera modes
Perspective/Orthographic view modes
Standard viewpoints
Top
Bottom
Left
Right
Front
Back
Mesh classification colour options
No colour
Color
Mesh colouring options
None
Intensity
RGB
Show/Hide Grid
Crop mesh model
2D slice of mesh mode
Orthographic Image of mesh model
Orthographic image mesh model classification colouring method
No colour
Colour
Orthographic image mesh model colouring method

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## Technical Specifications

Orthogonal Distance
Elevation
RGB
Intensity
Orthographic image point cloud change background colour
Orthographic image point cloud camera position options
Top
Bottom
Left
Right
Front
Back
Snapshot formats
JPG
PNG
BMP
TIFF
<b>BIM MODEL (2D)</b>
2D navigation, Pan, Zoom
BIM element selection options
Append selection
Remove selection
Replace selection
Single selection
Selection box
2D Editing tools
Add Wall
Add Partition
Add Window
Add Door
Combine Walls
Extend and Join
Equalise Wall Heights
Make Square
Show Intersection Angles
Identify Rooms
Set Story Elevation
Remove/Delete
Copy Object Properties
Paste Object Properties
Lock Element
Unlock Element
No colour
Colour
Editable Properties window
Scene tree visibility toggles

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## Technical Specifications

BIM MODEL (3D)
3D navigation, Pan, Zoom, Rotate
Open BIM, BIM Mesh and Point cloud into view
Element selection options
Append selection
Remove selection
Replace selection
Scene tree visibility toggles
Perspective/Orthographic view modes
Reset Viewpoint
Transparency Settings (Mesh and BIM)
Point cloud colouring options
None
RGB
Intensity
Elevation
Mesh colouring options
Colour
Intensity
RGB
3D tools
Add Door
Add Window
Delete Selection
Copy Object Properties
Paste Object Properties
Edit Building Story Elevation
Editable Properties window
Create Floor Plan (DXF)
Create BIM Model Report
Customisable BIM Model Report Template

### Hardware recommendation:

COMPONENT	RECOMMENDED SPEC
CPU	Intel i9 10980xe (18 core) or, AMD Ryzen Threadripper 3950X (16 core)
RAM	32GB+ DDR3/4
GPU	Nvidia Geforce RTX 2080ti
HDD	3TB+ (NVMe Recommended)

## Leica Geosystems – when it has to be right

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