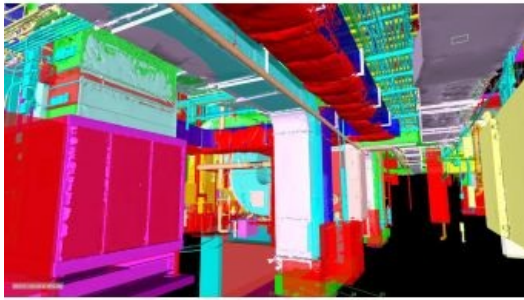


Pointfuse Laser Scanning Software Set to Transform Digital Construction Workflows



Pointfuse has released the latest version of its advanced point cloud processing software that converts the millions of individual measurements captured by laser scanning and photogrammetry. Featuring new streamlined classification to ensure maximum efficiency and multicore processing for unlimited conversion power, the new version of [Pointfuse](#) is set to transform workflows within digital construction, facilities management and virtual design applications.

“Pointfuse is designed to make the use of point cloud data more accessible by removing many of the traditional barriers to use,” commented Mark Senior, regional sales director at Pointfuse. “Obstacles such as processing time and computer power, incompatibility within existing workflows and output files that are large and complex; these have all been

obliterated with the latest Pointfuse release.”

The utilization of as-built data in digital design workflows

Pointfuse now includes a new streamlined workflow which makes object classification easy, using templates and shortcuts to ensure maximum efficiency. This ability to classify objects within Pointfuse has had a huge impact on how as-built data is utilized within digital design workflows; being able to quickly compare specific as-built objects with the design enables more accurate clash detection, reducing the number of false clashes being flagged.

IFC (Industry Foundation Classes – an open format data model that is intended to describe architectural, building and construction industry data) templates can also be created and edited for specific applications. With applications including architectural, MEP and HVAC, selected objects can be classified and mapped to ensure compatibility with onward workflows.

Multicore processing and point cloud conversion

Pointfuse also includes a new conversion engine which uses multicore processing to manage and enable unlimited point cloud conversion to provide real scalability. In addition, Pointfuse's mesh models are intelligently optimized, reducing the working data size by a factor of up to 100, making them easy to share with online 3D collaboration platforms, such as BIM 360, 3D Repo, Revit3D, Trimble Connect.

“Using Pointfuse we can create intelligent 3D mesh models in a fraction of the time,” commented Ben Callan, BIM coordinator in global construction services company ISG's UK Fit Out business. “This accelerated modelling and reduced risk of error contributes to a direct reduction in costs when compared against traditional methods of modelling and point cloud data analysis. The easy to use, easy to consume outputs are also paving the way for new applications of the data including existing versions.