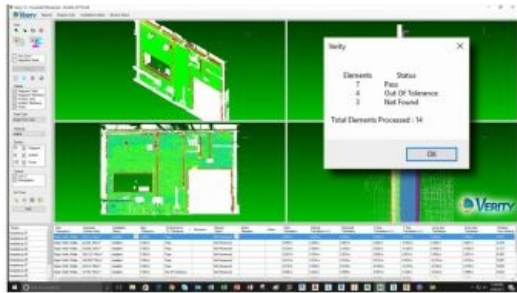# ClearEdge3D Launches Construction Verification Software

ClearEdge3D has released its newest software solution, Verity 1.0, which verifies the accuracy of new construction against design/fabrication models, giving general contractors unprecedented insight into their construction projects. The software analyses laser scan point cloud data of the as-built construction against the design/fabrication models, identifying variances, missing elements or other potentially costly construction errors. The variance data and corrected model can be exported to Navisworks for as-built clash detection and further analysis.

Poorly constructed and out-of-tolerance work is a massive problem in the construction industry, typically accounting for 5 percent of a project's cost. Verity is developed to significantly reduce this financial impact by flagging problems early in the construction process so they can be remediated or eliminated before they impact schedules or future work.

Beta testers

Tim Malys, project manager at DPR Construction, one of the beta version testers of the software, used Verity on a recent construction project. He commented it is a powerful new tool to help understand what's really going on out in the field. Verity allows to re-coordinate the true as-built, which is incredibly helpful, he said.

Verity bridges the gap of bringing the BIM to the field, added Danielle Dy Buncio, CEO of VIATechnik, another beta tester. With multiple trades spending so much time on BIM coordination, it only makes sense to verify the resulting built environment. Verity will become an essential part of the new BIM construction workflow, she concluded.

Integrated platforms

The software has robust reporting capabilities that allows firms to communicate the Verity results in HTML or PDF to all stakeholders. ClearEdge3D is fast at work on the next release of Verity which will include integrating additional platforms including Tekla, Solibri, Revit and others.

The intention is to share Verity data with as many platforms as possible, said Kelly Cone, ClearEdge3D's VP of product development. Verity provides unique risk management data across the entire construction project. It just makes sense to share that data with all stakeholders in their native platforms, he added.

https://www.gim-international.com/content/news/clearedge3d-launches-construction-verification-software