

# Removing the Complexity From Model-based Estimating

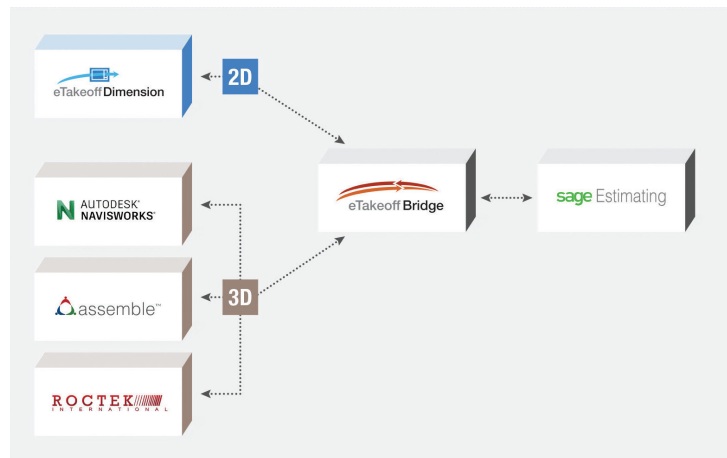
## eTakeoff Navisworks Integrator Makes It Easy to Create And Update Production Estimates From 3-D Models

**E**Takeoff Bridge (a 2016 *CE* Hot Product) serves as the middleware between estimating's quantity takeoff and costing/analysis tasks. The first Bridge integration connected 2-D electronic plan takeoff with Sage Estimating. Now, with the rise of BIM, Bridge also has become a reliable conduit between 3-D models and cost estimating.

### Introducing the Navisworks Integrator

With Navisworks Integrator, a 2018 *Construction Executive* Hot Product, estimators don't need to know the ins and outs of BIM design software to create production estimates from 3-D models. The integrator plugs Autodesk Navisworks Manage or Simulate into Bridge, so estimators can drag and drop objects and dimensional information directly into Sage Estimating.

With the integrator, estimators have full control of the transfer of 3-D takeoff details, or they can fully automate the process. They can also quickly switch to eTakeoff's 2D Dimension takeoff for items that may be missing from the model (floor coverings, door hardware and other items).



- One simple interface to learn, whether takeoff is from 2-D plans, 3-D models, or both
- Automatic identification of changes between existing and revised models for quick turnaround of estimate modifications
- Drilldown capability from within estimate to locate source objects for any estimate quantities
- Full audit trail of 2-D and 3-D takeoff input and continuing changes

### Estimating's Evolution Continues

Navisworks Integrator offers a practical solution for many construction companies that want to do takeoff from Autodesk Revit models. Since its introduction in 2016, Bridge is now also integrated with Assemble Systems' popular BIM and construction data management software, and will soon integrate with Roctek's 3D Excavation suite.

### A Best-in-class Approach

Estimators no longer have to limit themselves to a single-vendor solution that won't give them top-level capabilities for both takeoff and estimating. By working together, software vendors such as eTakeoff, Sage, Autodesk, Assemble and Roctek are providing leading, industry-proven tools that streamline the entire estimating process. It's why hundreds of estimators have recognized this best-in-class integration as the next generation of estimating technology.