

INCREASE MARGINS | REDUCE COSTS | INCREASE BID TO WIN RATIO | IMPROVE CUSTOMER SATISFACTION

Expensive errors and fabrication waste – cost over-runs, delays and re-work – occur because project teams (structural engineer, steel detailer, steel fabricator) work in silos, requiring manual processes to bridge gaps.

The **AEC Collection** provides structural professionals with integrated tools for a seamless, BIM-based process that connects steel design, fabrication, and construction in a more efficient and accurate way. With steel detailing more tightly linked to design, fabrication progresses more smoothly and fabricators collaborate more easily with designers and construction partners to enhance overall project quality.

Key Business Benefits of AEC Collection (now including Advance Steel)

- **Lower costs and increase margin by reducing rework:** Ensure that the entire team is building from the correct version of the 3D model by leveraging the fully bidirectional link between Revit design model and Advance Steel detail model. Automatically update the documentation when design modifications occur. Minimize errors and fabrication waste at workshop by using NC files that automate production lines.
- **Save time with automation:** Advance Steel extends the BIM process directly to fabrication tools, you can automatically create the data needed to drive CNC machines and export your 3D model into management information software (MIS).
- **Win more work:** Differentiate your firm from competition with extended service offerings you can provide by using the tools in the AEC Collection for analysis, fabrication, design, and coordination. Help fabricators win new work by offering enhanced design assist services. Improve service to clients and overall quality through better design, shop, and field coordination.
- **Better coordinate and manage design changes:** Links to the design model between Revit and Advance Steel make it easy to account for late design changes, and reduces the time required by manual coordination. Use Navisworks Manage to coordinate between multi-discipline models and help prevent errors in fabrication before going on site.

The AEC Collection includes Revit, Advance Steel and Navisworks Manage plus a portfolio of additional software for structural professionals including Robot Structural Analysis. Go to www.autodesk.com/aeccollection to see the full list of products included in the collection.

Customer Quotes

“The Advance Steel software’s ease of use, speed of modeling and connection design, and integrated design checks on the fly—combined with the ability to reuse the structural engineer’s Revit model—helped us reduce our anticipated schedule time by approximately 20 percent.”

— Adrian Betts, Drawing Office Manager, TSI Structures (UK)

“In moving from our prior detailing tool to Advance Steel, we reduced the time spent on labor by 20%. Our team saved a full month on detailing. Interoperability between our detailing tools and other BIM tools saved additional time and helped us create a better construction plan.”

— Qichen Jiang, director of the BIM center of the Steel Structure Engineering Company (SSEC)

