

CANAM:

DRAMATICALLY REDUCING SITE ISSUES WITH STREAMLINED PROJECT PROCESSES

At Canam, North America's largest fabricator of structural steel components, their architects, engineers, fabricators, and contractors are working together to deliver better coordinated, more constructible designs.

Canam have made their engineering teams an integral part of the manufacturing and construction processes using interoperable software in Autodesk® AEC Collection for design detailing, and Autodesk® BIM 360® Design for cloud-based collaboration.

RESULTS



CREATING MORE AMBITIOUS AND OPTIMIZED DESIGNS AND WINNING MORE WORK



REDUCED SITE ISSUES BY A FACTOR OF 10



REDUCED WASTE DOWN THE LINE AND INCREASED PROJECT CERTAINTY

“We’ve seen a huge reduction in the amount of work we have to do to fix problems”

Dominick Paradis, *Design Engineer, Canam*

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THE CHALLENGE:

Create ambitious and optimized designs while reducing errors

“We used to have 30 site issues a week and up to 300 things to fix at the end of the project”

Dominick Paradis, *Design Engineer, Canam*

HOW THEY DID IT

Canam’s methodology

COORDINATED WORKFLOWS MEAN FASTER PROBLEM SOLVING

Improving data visibility to save time and money

With all contributors working on a single, live Revit model, the team can detect and resolve clashes quickly, saving time spent on rework. Engineers are saving hours and seeing far fewer site issues compared to previous projects.

“The big difference is the amount of clashes and mistakes we’re able to catch with this 3D software”

– Dominick Paradis, Design Engineer, Canam

THE BOTTOM LINE

Key benefits of integrated engineering for Canam



INCREASED EFFICIENCY THROUGH SMOOTHER COLLABORATION

Engineers and all project team members are coordinated and can mitigate risk and reduce costly errors earlier on



WINNING NEW BUSINESS

Integrated workflows are attracting future clients as demand for as-built 3D models increases



FREEDOM TO DESIGN OPTIMIZED SOLUTIONS

The high level of detail in Revit models and ramped up project efficiency gives Canam flexibility to innovate on every project and focus on finding the very best engineering solutions

“We don’t need to worry about having problems at the end of the project, because you can spot them and mitigate them in advance.”

Dominick Paradis, *Design Engineer, Canam*

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