Genesis Systems: Streamlining with Integration While Growing

Genesis Systems Group is a recognized leader in robotic systems integration. For over 35 years, Genesis Systems has and continues to actively serve a variety of industries including Transportation, Aviation, Space & Defense, and General Industries.

HEADQUARTERS
Davenport, IA

INDUSTRY
Robotic Systems

QBUILD PRODUCT
CADLink

WEBSITE
www.genesis-systems.com

BUSINESS CHALLENGES

- Excess time and manpower were consumed without accuracy and efficiency, hindering productivity

- Complexity of BOMs made manual processes a major administrative burden on design team

- Ineffecient and inaccurate engineering data resulted in delays and wasted resources

GROWING TOGETHER

Genesis wanted a solution that could grow with the company, increase efficiency, and work with their new CSI system and were introduced to QBuild's CADLink. Genesis chose CADLink because it could save time and ensure that the records between CAD and CSI were accurate. The item creation saved time and the synchronization of CAD to ERP made sure that the CSI reflected the same order in their SOLIDWORKS BOM from top to bottom.

QBuild
CAD ERP INTEGRATION

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infor

Solution Partner

NEW SYSTEM, NEW OPPORTUNITIES

While facing a variety of new variables, Genesis also found themselves with new opportunities to leverage the capabilities of the new system.

Genesis had always kept their large design bills of materials with a flat BOM structure. With CSI, they chose to leverage an indented BOM but still needed a way to import their BOMs efficiently. Creating BOMs manually was a time-consuming task that left large margins for error and required multiple levels of clicks and transactions within the ERP system, which was not valuable use of a designer's time.

"Custom logic settings allow us to be our own programmer so to speak. We can control, edit, and maintain the logic without having to rely on a product expert at Qbuild."

Saving $14,700.00 USD a year by making the engineering workflow more efficient

Increasing productivity while still providing the same value to end customers

Accurate and synchronized BOM data between CAD and CSI, with validation logic

Saving 210 hours a year of engineering time allowing them to focus on more important responsibilities

STREAMLINING THEIR PROCESSES

Genesis chose CADLink as their integration software solution because it creates value by automating the integration of their CAD ERP BOM. CADLink automates entry of engineering BOMs for purposes of manufacturing or procurement in downstream activities. Instead of manually entering new parts, creating operations/routings, and adding materials, this is all done during the CADLink process along with proper validation steps that helps Genesis catch potential errors.

By working with CADLink, they were able to develop custom code that helped simplify design, improve operational efficiencies and streamline the design process.

Instead of requiring a new assembly design with modified parts, they only needed to create one part and one drawing in CAD. They were able to define a standard template and utilize custom logic settings to copy and create new item part numbers for these externally modified parts.

CADLink is great to work with, they truly understand their product and more importantly understand the integration between our ERP system and our CAD software. This high level of knowledge and ability to work closely together have been an asset to us.

– KATIE B., CONTINUOUS IMPROVEMENT ENGINEER