

CADLink for Discrete Manufacturing Solutions

Seamless Integration Between CAD and ERP

CADLink is a powerful tool built by QBuild Software, which establishes a real-time, bidirectional link between your CAD application and Aptean's Discrete Manufacturing Solutions portfolio, connecting the flow of engineering information and BOM data between two disparate software systems. With CADLink in their arsenal, engineers can compare and edit CAD and ERP data sets simultaneously, potentially import newly modeled parts directly to the Item Master, and automate immediate Item Master and BOM updates. By connecting Aptean's Discrete Manufacturing ERP solutions and CAD software into a combined interface through CADLink, users have the ability to:

- Push item revisions from Inventory directly into the ERP and easily view Engineering BOM and/or item level discrepancies between CAD and ERP data.
- Store and synchronize key item master properties within the ERP directly inside the CAD model custom properties, thereby ensuring information displayed in Drawings always matches the ERP data.
- Control the effects on Dependent Demand Planning and how part quantities are calculated for a given Engineering BOM.
- Review all item and Engineering BOM changes and export them to Excel or PDF formats.

Bridge The Gap With CADLink

By establishing an integrated connection between your CAD solution and ERP system, you can bring tremendous value to your current business practices through multiple avenues. CADLink is a real time, bi-directional tool between your CAD software and Aptean's Discrete Manufacturing ERP solutions, that allows you to create Item Master & EBOM records identical to CAD drawings, automate duplicate data entry, and quickly assimilate Engineering BOM information between your CAD system and ERP.

The CADLink software is designed to improve productivity and enable your Engineering team to focus on building the best products possible, as it frees up more time for engineers to invest in projects and not inputting data across multiple platforms.

Synchronize Data Between CAD And ERP Systems

Compatible with a wide range of leading CAD and PLM/PDM software systems (see chart), CADLink meshes effortlessly with the ERP and offers incredible functionality to simplify the design and production process for your Engineering staff.

Through the Item Master Management capabilities of CADLink, users can:

- Search, access and edit part information and integrate data simultaneously
- View and correct discrepancies within BOM info by adding new Item Master records
- Utilize templates for common product categories to rapidly populate Item Master fields

Accessing the Bill of Material Management features allows users to:

- Restrict BOM changes to CAD software only to maintain data integrity in the ERP
- Add, delete, or modify non-CAD items on the BOM such as packaging or paint
- Edit and add vendor part numbers and information to purchased items directly from within the CAD environment

Additionally, CADLink's Routing and Effectivity Date Management functionality helps users to:

- Manage Routing information pulled directly from the ERP system through a consolidated interface
- Maintain a clear, concise history as well as future instruction for production on the status of engineering Bills of Materials
- Utilizing Effectivity dates ensures your CAD Bill of Materials are never deleted they are only "zeroed" using appropriate effective dates and quantities

For additional information about CADLink for Aptean's Discrete Manufacturing Solutions please contact us at info@aptean.com.



Aptean provides very specific industries with very specific ERP, supply chain management, and customer experience solutions. In today's fast-paced, highly competitive economy, organizations don't have time to waste forcing homegrown software, spreadsheets, and one-size-fits-all solutions to do things they were never designed to do. Aptean is on a mission to end those workarounds – with industry-specific solutions instead of generic software, expert support instead of making you go it alone, and a steady influx of new ideas instead of the status quo. For more information, visit www.aptean.com.

System Compatibility

Standard CAD System Integrations

- AutoCAD Mechanical
- AutoCAD (Vanilla)
- SolidWorks
- Autodesk Inventor

Non-standard CAD System Integrations

- AutoCAD Electrical
- SolidEdge
- PTC ProE
- PTC Creo
- E-Plan
- Altium
- Mentor Graphic Dx Designer
- NX
- Cabinet Vision

Non-standard PLM/PDM System Integrations

- SolidWorks Enterprise PDM (EPDM)
- Autodesk Vault
- ProE Windchill

* Non-Standard Integrations require a custom interface to link ERPs to your CAD System through CADLink.

*SolidWorks Workgroup PDM is not supported.