

Arena–CADTALK Integration for SOLIDWORKS

Automate Design Processes for Accuracy

OVERVIEW

Most product companies share a common struggle—managing and releasing design data from engineering teams to the rest of the company. Painful manual processes contribute to team dissatisfaction and disconnected data silos, resulting in a lack of visibility and collaboration and, ultimately, poorer product decisions. Facilitate better collaboration between your teams and get better products faster with an automated integration between Arena PLM and SOLIDWORKS®. The CADTALK Integration for SOLIDWORKS provides a reliable, accurate flow of information between SOLIDWORKS and Arena for prototype, new product introduction (NPI), and ongoing product development processes.

CONNECT THE MECHANICAL DESIGN PROCESS TO THE FULL PRODUCT RECORD

Collaborating with today's dispersed design teams introduces risk when moving from team-level engineering design to the larger released product record and manufacturing. Design teams utilize SOLIDWORKS work-in-progress (WIP) tools to ensure engineers do not step on each other's toes during early design. Once the individual designs are mature enough, they need to be incorporated into the full product design with other mechanical, electrical, software, and documentation components. With CADTALK Integration for SOLIDWORKS, teams have an automated and easy process that reduces errors and accelerates the NPI process.

HOW IT WORKS

The CADTALK Integration for SOLIDWORKS provides design teams with the ability to create and publish parts, BOMs, and files from within SOLIDWORKS to Arena. SOLIDWORKS users publish the engineering BOM and configurable file types such as PDF, STEP, or CAD data to Arena. All integration activities can be accessed on demand through the SOLIDWORKS files both with and without PDM or directly from PDM with a headless automated service.

BENEFITS

✓ Faster Innovation

- Ensure operations team feedback early in the design process, in support of design for manufacturing (DFM) framework
- Provide the information necessary for accurate and responsive sourcing

✓ Process Simplification and Standardization

- Reduce onboarding and training time by removing the need to learn how to duplicate same or similar tasks in multiple systems
- Support business needs with configuration options for publishing part data based on design scenarios
- Maintain a consistent and controlled complete product record for the entire organization and supply chain

✓ Reduced Product Delays and Costs

- Eliminate the risks of data entry errors
- Ensure everyone is working from the same, most current product record and associated files

FAST IMPLEMENTATION

Fixed-price services include implementation, configuration, training, and documentation to get your Arena platform connected to your MCAD systems so you can immediately benefit from efficient, accurate agile development processes.

DETAILED FUNCTIONALITY MATRIX BY MCAD AND CADTALK FUNCTIONAL PACKAGE

Supported functionality depends on the MCAD system and the purchased CADTALK functional package (Publish, Change, Automate). The functionality each customer needs will be determined by engineering practices and design to release processes.

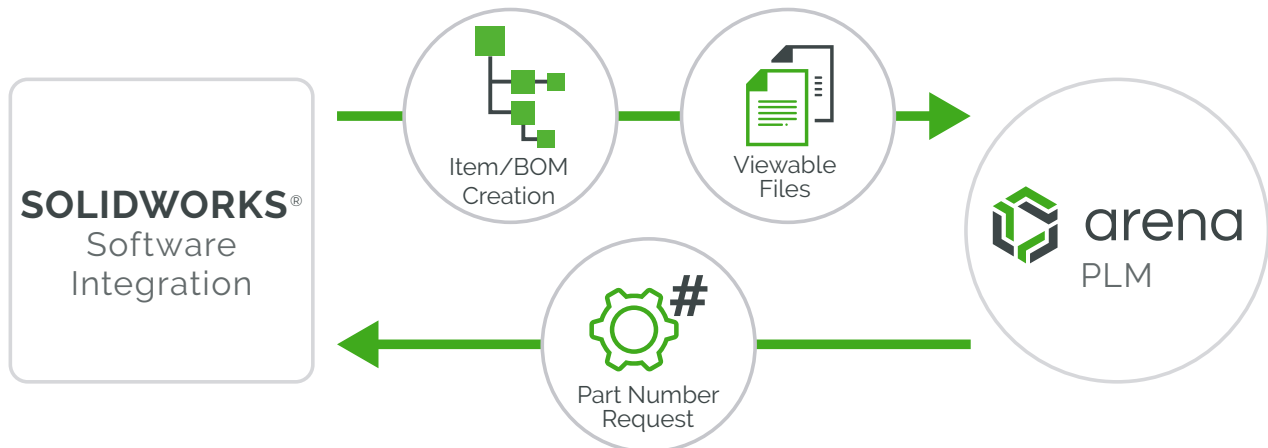
	Publish	Change	Automate
Methodology	Golden Template* (Fixed Standard)	Configured (Tailored to Process)	Architected (Custom Automation)
Service Model	Customer-Led / Email Onboarding	CADTALK-Led (7-Phase Implementation, Weekly Calls)	CADTALK-Led (7-Phase Implementation, Dedicated Consultant, Priority Access)
Mapping Rules	0 – Golden Template only (fixed)	Up to 5 configured rules + Golden Template	Up to 10 configured rules + Golden Template
Installation	Self-Guided (video guide)	Assisted Remote	Managed – CADTALK coordinates with IT/ Networking
PDM Support	No PDM, or PDM Standard or Vault Basic only	PDM Professional, Vault Pro, Windchill	PDM Professional, Vault Pro, Windchill (upgrade from Change required)
ECO Management	Not included	Included (ECO create/update in Arena)	Included
Automation	On-demand only	On-demand	Fully headless – PDM state triggers Arena sync automatically
Typical Timeline	2-4 weeks (customer-driven)	8-12 weeks	4-6 additional weeks (upgrade from Change Package)

* To ensure a fast, low-cost implementation for teams that need straightforward CAD-to-Arena data transfer, the Publish package uses a fixed Golden Template. The Golden Template is CADTALK's pre-built configuration framework derived from 50+ successful Arena implementations.

Important: Automate is an upgrade-only package. Customers must go live on Publish or Change before upgrading to Automate. This is a data quality and process maturity gate, not a pricing gate. Exceptions require written approval from the CADTALK Channel Manager before quoting.

Not Supported

- * SOLIDWORKS PDM support for SOLIDWORKS PDM 2020 and forward, SOLIDWORKS direct file integration support for SOLIDWORKS 2017 and forward. For any older revision file support, please confirm with CADTALK.
- * SOLIDWORKS Design Binder



ANNUAL SUBSCRIPTION, USERS, AND RECOMMENDED ACTIVE SESSIONS

CADTALK CAD - Arena is an annual subscription software based on the number of active session licenses needed. CADTALK active sessions indicate the number of manual and scheduled sessions being run simultaneously for data actions between systems.

CADTALK CAD - Arena is available in three packages — Publish, Change, and Automate.

Number of recommended active sessions is based on the size of mechanical engineering team.

THE CADTALK CAD – PLM SOLUTION

Have multiple CAD tools across your engineering teams? You can use CADTALK platform to integrate them to Arena. CADTALK is a middleware automation layer that facilitates data flows between multiple CAD systems and Arena.

Cadtalk Minimum Technical Requirements

- Windows 10 or higher
- Processor 1.5 GHz or higher
- 8 GB of RAM
- Disk space (minimum) 500 MB
- NET Framework 4.6.xx or higher
- CAD software is not required to use CADTALK unless user wants to install inside the CAD host.

GETTING STARTED

It doesn't matter where you are in your journey with Arena and SOLIDWORKS—you can implement the integration at any time. It is easy to install and configure to support your existing processes. CADTALK, an Arena and SOLIDWORKS partner, provides the integration, installation, and configuration assistance, and fixed-scope implementation services along with ongoing product upgrade support for future SOLIDWORKS versions. [Contact Arena](#) to learn more.

ABOUT ARENA

Arena by PTC, helps companies create innovative products that change the world. Arena unifies product lifecycle management (PLM) and quality management system (QMS) processes, allowing every participant throughout product development and commercialization to work together fast and effectively. With Arena, dispersed teams accelerate the design and delivery of quality products. For more information, visit [Arena by PTC](#).

CADTALK PUBLISH AND CHANGE ACTIVE SESSIONS

Number of CAD Users/Seats	Recommended Active Sessions
1-5	2
6-10	3
11-15	5
16-20	7
21-25	8
26-30	10
31+ CAD Users- Automate active sessions available.	

CADTALK Automate package with automated publishing requires 1 active session for every 3 CAD Users

* *Number of CAD Users: Recommended Active Sessions ratio is 3 : 1. Table is for estimation only.*

ABOUT CADTALK

CADTALK has provided world-class CAD to ERP and PLM integration and implementation since 2005, with customers throughout the world. With a deep understanding of ERP, PDM, PLM, and CAD software and the challenges facing manufacturing companies, CADTALK provides deep and robust integrations that can be configured for each customer's needs. CADTALK has partnerships with all the major CAD/PDM/PLM vendors. For more information, visit [CADTALK.com](#)