

## C3 - Overview

### Key Benefits

#### Reduced

- Product Development Costs
- Component Issues
- Board Spins

#### Enhanced

- Real Time Visibility
- Process/Workflow Governance
- Component Compliance
- Component Data Accuracy

## C3 - Overview

For the electronic engineer developing a product, the ability to manage and quickly access corporate component information is critical to success. Geographically dispersed design teams often use separate component databases, which may be out of sync or out of date. This can cause mistakes during product development that go undetected until later in the design cycle, causing costly redesigns or quality problems.

Component information can come from a variety of sources including corporate parts databases, manufacturers' data books and design systems. When adding component information to the design, outdated and missing data can affect design integrity and manufacturability. A more reliable solution is to have all the latest information accessible to all designers throughout the enterprise.

This new offering from Trilogic is ideal for engineers using electronic design automation (EDA), mechanical computer-aided design (MCAD) and other design tools. This business-ready solution delivers an easy to use and quick to implement system. The product suites provide engineers with secure, instant access to part and BOM information directly within the design environment.

## C3 - System Details

C3 is a Centralized Component Information and Collaboration System. It provides a single system to manage all component data for electrical design.

### Attributes/Parameters

- Behavioral/Physical Parameters
- Simulation Models
- Business Data
- Regulatory/Compliance Data
- Safety/Reliability

### Documents

- Datasheets, Drawings, Certificates (Compliance)

### Vendors/Suppliers

- Manufacturer/Supplier Part Numbers
- Datasheets/Specifications

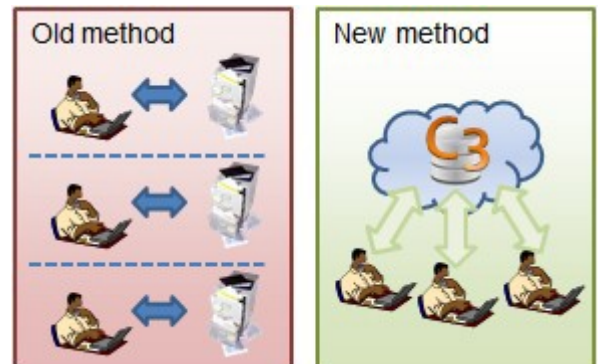
C3 connects directly to your schematic capture, simulation, and layout tools. Engineers access the data directly from their design environment and do not need to use/learn new tools.



## Why C3?

Our customers face the following challenges:

- Engineers maintaining separate libraries
- Error prone data entry
- Inaccurate/inconsistent/incomplete component data
- No documentation (datasheets/specifications/compliance)
- No History Tracking/Audit Trail
- No formal introduction process
- No process to prevent Engineers from using Parts that are undesirable or obsolete
- No past usage information



C3 has been developed to address these and other challenges. Refer to the **Key Features** page for more information on C3, or **Sign up** for a free product demonstration.



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## C3 - Key Features

### Unlimited parts and component information

- Behavioral Parameters (value, tolerance, voltage, frequency, etc.)
- Physical Parameters (PCB footprint, dimensions, weight, color, gauge, etc.)
- Simulation (models, SPICE, SABER, IBIS, etc.)
- Business Data (costs, availability, inventory, etc.)
- Regulatory/Compliance Data (REACH, RoHS, WEEE, etc.)
- Reliability Data (MTBF, MTTF, Failure rate, etc.)

### Document Management

- Datasheets, Drawings, Certificates (Compliance)

### Revision controls

- Maintain various versions of component data and documents

### Vendors/Suppliers Data Management

- Vendor/Supplier Part Numbers, Parameters, Datasheets, etc.
- Status rules to prevent usage of obsolete parts

### Automated Processes and Workflow Management

- New Part Request Workflow and automatic alerts
- Part Number Generation
- Automatic Description building (based on various parameters)
- Required field rules

### Open Integration Platform

- Load data from on-line content providers (Digi-Key, Part Miner, Silicon Expert, etc.)
- Direct integration with DxDatabook, PADs, etc.
- Integrate with business systems (ERP, MRP, CRM, etc.)

## C3 PLUS Additional Features

### BOM Management/Where Used

- Bill of Material (and BOM revision) Management
- BOM Compare
- BOM cleanup and data enhancement prior to import
- Import directly from CAD, Excel, CSV, etc.

## The C3 Platform – Fully expandable for add-on modules

Built on the **Omnify Empower** application platform, C3 is Fully expandable for add-on modules such as:

- BOM Management
- Change/ECO Management
- Project Management
- Quality/CAPA Management
- Training Record/Resource Management
- MPM Module (Manufacturing Process Management)

## C3 Deployment Options

C3 supports various deployment options to best suit your needs and environment.

- Hosted/Cloud-based Solution (Our providers or your choice)
- On-Premises
- Completely Browser-based system – no client software to install