# Integrate AUCOTEC Engineering Base with Siemens Teamcenter to streamline your electrical design & lifecycle management

*The rapid evolution of electrical design and manufacturing requires more efficient ways to manage the complexity involved. Integrating ECAD tools with PLM systems becomes invaluable in this context. Integrations facilitate a seamless flow of information across all stages of product development and enhance efficiency, collaboration and overall product quality.*

## Why integrate?

### Enhanced collaboration & efficiency

With an integration, design teams can work more closely with manufacturing and supply chain departments. This allows for real-time sharing of design data, component specifications, and revisions, reducing communication gaps and accelerating decision-making processes. Engineers can access up-to-date component and design information directly in Engineering Base, minimizing the need for redundant data entry and manual updates.

### Improved data accuracy & consistency

A key benefit of an integration is that any changes made in Engineering Base are synchronized with the PLM system, maintaining data consistency across all stages of product development. This reduces the risk of errors caused by outdated or mismatched information, leading to higher design quality and more reliable products.

### Optimized compliance & documentation

By centrally storing all design data, documentation and change histories, an integration simplifies compliance with industry standards and regulatory requirements. This facilitates audits and ensures that all required documents are up to date and accurate.

## The solution

The integration of Engineering Base with Teamcenter using XPLM's proven **integrate2** platform is a strategic move that can transform electrical design and lifecycle management. By enhancing collaboration, improving data management, accelerating time-to-market, and ensuring compliance, this integration offers substantial benefits.

As technology continues to advance, the synergy between Engineering Base and Teamcenter will become increasingly important for companies looking to secure a competitive advantage in the industry.

| EFFICIENCY | CONSISTENCY | COMPLIANCE |
|---|---|---|
| ■ Always access up-to-date information<br>■ Perform agile, cross-domain development | ■ Grant constantly high data quality<br>■ Minimize risk of errors | ■ Retain compliance and standards<br>■ Ensure auditable processes |

## Integration features

**integrate2** achieves complete traceability of your product development processes by integrating Engineering Base into your business processes managed by Teamcenter.

| FEATURE | FUNCTIONALITY | YOUR BENEFITS |
|---|---|---|
| New design creation | Creates new designs based on templates directly in Engineering Base. | Save time by reusing existing designs or templates for new projects. |
| Design management | Uses Teamcenter objects to manage the native design data. | Avoid redundancy by using a central storage location and provide design information to all stakeholders outside the Engineering Base world. |
| Datamodel creation | Automatically creates objects and relationships for the data handling in Teamcenter. | Prevent manual work by automatically establishing the configured datamodel in Teamcenter. |
| Output data creation | Creates and uploads the outputs needed for production and for exchange with other disciplines. | Standardize and automate the creation of manufacturing data and documentation. |
| BOM upload | Uploads the assembly-specific list of components used in the design to Teamcenter. | Streamline your business processes by automatically uploading BOM information from Engineering Base to Teamcenter. |
| BOM comparison | Creates an interactive BOM comparison list between Engineering Base and Teamcenter. | Get exact information about components changed in the Engineering Base design versus Teamcenter and check for missing and obsolete parts in Teamcenter. |
| Design download | Downloads the design from Teamcenter for viewing or editing, incl. object reservation control. | Always work with the latest Engineering Base design data and remove manual work through automated data exchange processes. |
| Component data synchronization | Keeps the components in the library database bidirectionally up-to-date between Engineering Base and Teamcenter. | Eliminate the need for manual data entry and reduce the time and effort required to update information in both systems. |

**Power-up your product lifecycle: Seamlessly connect Engineering Base with Teamcenter!**

Scan this QR code for all Teamcenter integrations

**ABOUT US**
XPLM is a global solution provider specializing in the integration of applications, processes, and data for industrial companies. With our unique portfolio, we connect leading PLM and engineering systems to help our customers bring products to market faster and more successfully.

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