

InterComm™ Project Suite

Dramatically Accelerate PCB Design Reviews

In today's fiercely competitive market place, companies can no longer afford to spend between 60 and 80 percent of electronic design time verifying and communicating design issues, decisions and tradeoffs. Today, there's a quicker, more efficient way to manage this process—and all the data associated with it. The solution: The InterComm Project Suite.

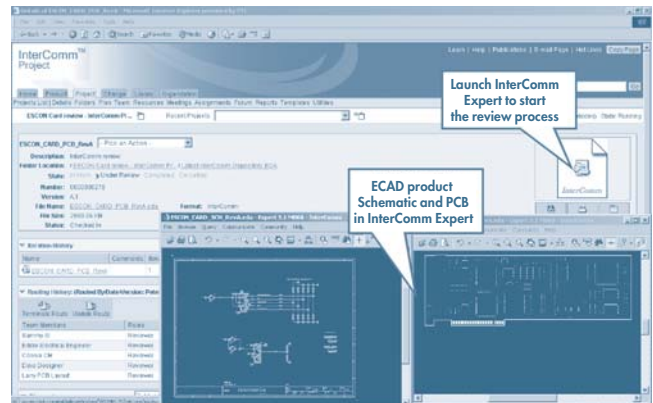
Managing the PCB Design Process

Built on market-leading InterComm technology, the InterComm Project Suite is the complete answer to your work-in-progress and ECAD needs. Using a design process template and collaboration capabilities, your entire design group can benefit by having an end-to-end solution that streamlines the PCB design process. The result: more efficient PCB design, better quality products, and faster time-to-market.

Key Capabilities

- Process flow and project management tools let you take full advantage of the InterComm Expert Suite*, a production-proven set of solutions enabling enterprise-wide visualization, design verification, and ECAD-MCAD collaboration on complex electronic design data
- Intuitive interface to native ECAD tools for EDA file generation
- Create markups without the native ECAD tool, then read them back into the native ECAD tool
- Compare two ECAD designs to find parametric and/or geometric differences
- Enable design collaboration and project management

*Read the InterComm Expert Suite Topic Sheet for more information



InterComm Expert (shown with Schematic and PCB data open in two separate windows) being invoked through the InterComm Project Web interface, allowing simple controlled access to the ECAD WIP design data.

Key Benefits

- Facilitate innovation through collaboration, inside and outside your organization, by making ECAD design data available to all team members
- Simplify the process of conducting design reviews by allowing individual contributors to review ECAD designs on their own time
- Enable communication between users via centrally available markups
- Save time and effort by eliminating manual spot-checking of ECAD designs, while reducing errors and improving productivity
- Improve visibility of product development using project management tools

Features

ECAD Project Tracking

Each phase of ECAD design can be completely managed with a signoff and notification process that is fully customizable to your needs.

- Reduce product and overhead costs by delivering timely and accurate information to all ECAD project team members
- Create high-level overviews of project status for greater project visibility
- Keep team members informed with automated project updates
- Accelerate time-to-market by providing common virtual workspaces
- Securely manage all data related to a particular project, including native ECAD data, documentation, reports, etc.

Features

Self-service project management lets users track milestones, activities, tasks, deliverables, and resources.

- Central repository for all project-related information
- Lightweight visualization of information from various CAD authoring tools
- Streamlined process management via an automated workflow
- Change visibility through subscriptions and notifications
- Discussion forums
- Fully integral with the PTC ECAD Workgroup Manager and other Windchill® products

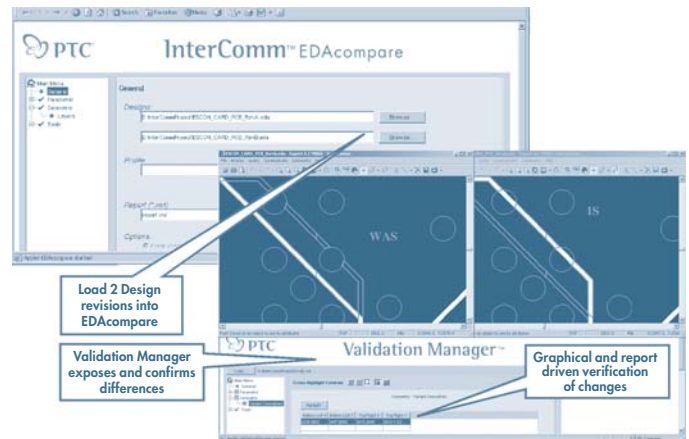
Intelligent ECAD Data for All Teams

Analyze

- Interactively analyze the information contained in schematic or PCB CAD databases without requiring the native ECAD tool
- Examine board layout from a true top or bottom orientation with any rotation

Query

- Interactively query intelligent ECAD design data and verify design intent
- Follow nets across the schematic by pin function; trace receivers back to drivers to identify the source of a bad signal
- Search, measure, and highlight detailed placement, net, and component data



InterComm EDACompare (shown with InterComm Expert for graphical viewing) is fully integrated with the InterComm Project Web interface, allowing simple, controlled access to the ECAD WIP design change data.

Secure Design Collaboration of Extended Teams

- Capture bookmarks and markups in an *.imx file, which is associated to the *.eda file
- Manage markups more easily, with date and user information
- Control access rights to specific design projects for partners and suppliers
- Easily collaborate via the interface with many popular Web Conferencing tools
- Automate task notification through email

For More Information

To learn more about InterComm Project Suite, and other time-saving PTC tools for PCB design, communication and verification, visit:

<http://www.ptc.com/go/intercomm>