

Windchill® Project Management: Global Project Management and Execution for the Extended Product Development Team

To succeed with product-related projects, companies are increasingly calling upon diverse and dispersed teams and information. In fact, a growing number of project teams span multiple disciplines, including mechanical, electrical, systems, software, product management, and even marketing. The key is to provide access to timely project information, and visibility into project status and completion.

When projects are not managed and executed effectively, the company can suffer in numerous ways. Delays affect the project schedule, product quality, and compliance with policies, procedures and specifications. In the rush to make up for lost time, project team members can make poor choices and mistakes that ultimately lead to rework and higher costs down the line.

PTC Windchill Project Management: Reduce time to market and boost competitive advantage

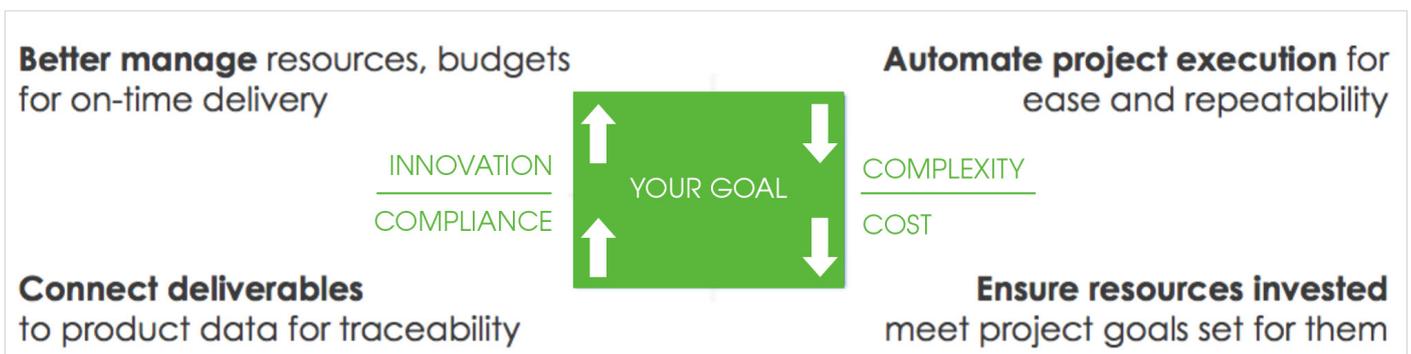
Windchill keeps your team moving forward on the right activities by automatically assigning tasks and providing real-time access to current project data. With Web-based tools to capture good ideas and best practices from internal and external participants, Windchill helps companies take full

advantage of all available knowledge. With it, your organization can implement a standardized, efficient process to manage projects and enhance communication among product teams.

Windchill helps ensure projects maintain clear records of changes to documents, proprietary information is protected, and all required project documentation is organized in one location.

Automated project execution ensures timely communication across distributed teams by automatically updating schedules and delivering resource assignments as each critical deadline is met. Tools to track performance ensure that a project's progress is measured against KPIs, resource utilization goals, and the completion of critical tasks and deliverables.

- **Schedule projects** to meet key milestones and deliver critical assets.
- **Automate the execution** of product development projects and resource assignments.
- **Track performance** of projects against targets for cost, schedules, requirements
- **Connect** project information and timelines with product data deliverables

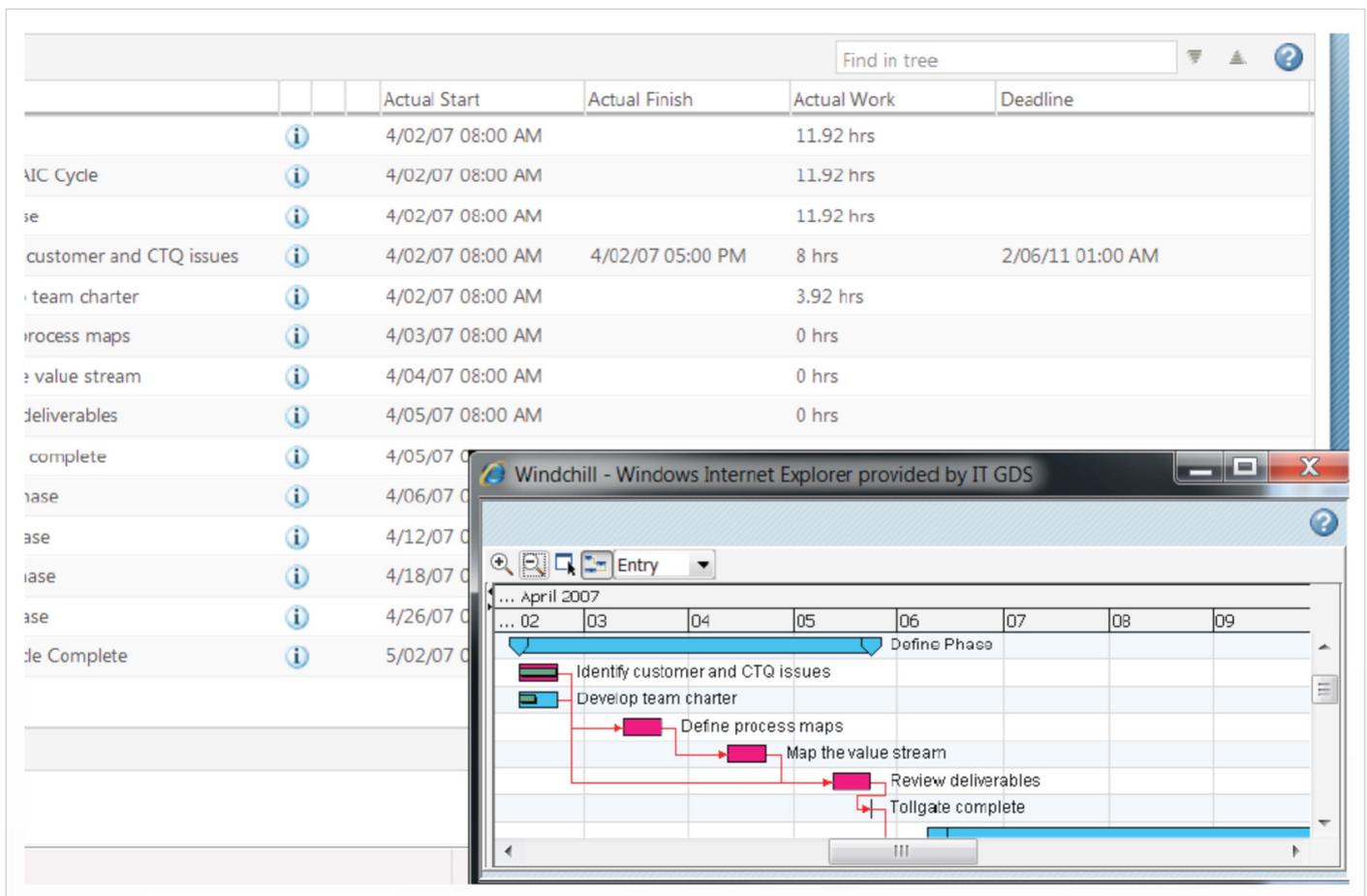


How teams use Windchill for project management

Windchill provides closed-loop, self-service project management via a central repository for all project-related information, configurable and reusable project templates, and support for a hierarchy of projects enabled through a roll-up to a master project/cluster.

The most up-to-date information is always available to all parties via an executive dashboard

with essential project information. Windchill offers both a pipeline view and portfolio view across projects, enabling users to track milestones, activities, tasks, deliverables, and resources across the entire product lifecycle. Managers and executives can quickly identify issues through consolidated views and graphical indicators, then generate reports in real-time based on actual current project information. Additional capabilities are available with an optional Portfolio Management Reporting solution.



The screenshot displays the Windchill project management interface. The background shows a table with columns for 'Actual Start', 'Actual Finish', 'Actual Work', and 'Deadline'. The foreground shows a Gantt chart window titled 'Windchill - Windows Internet Explorer provided by IT GDS' with a task flow diagram.

	Actual Start	Actual Finish	Actual Work	Deadline
	4/02/07 08:00 AM		11.92 hrs	
IC Cycle	4/02/07 08:00 AM		11.92 hrs	
se	4/02/07 08:00 AM		11.92 hrs	
customer and CTQ issues	4/02/07 08:00 AM	4/02/07 05:00 PM	8 hrs	2/06/11 01:00 AM
team charter	4/02/07 08:00 AM		3.92 hrs	
process maps	4/03/07 08:00 AM		0 hrs	
value stream	4/04/07 08:00 AM		0 hrs	
deliverables	4/05/07 08:00 AM		0 hrs	
complete	4/05/07 08:00 AM			
base	4/06/07 08:00 AM			
base	4/12/07 08:00 AM			
base	4/18/07 08:00 AM			
base	4/26/07 08:00 AM			
Complete	5/02/07 08:00 AM			

The Gantt chart window shows a task flow diagram for 'April 2007'. The tasks are: 'Identify customer and CTQ issues', 'Develop team charter', 'Define process maps', 'Map the value stream', 'Review deliverables', and 'Tollgate complete'. The tasks are connected by arrows indicating a sequential flow.

Windchill allows you to define and execute projects plans as well as associate project tasks with product deliverables.

Optimizing New Product Introduction (NPI)

While methodologies such as PACE, Stage-Gate®, and others are helping companies formalize and improve the critical new product introduction (NPI) process, they only take you so far. Windchill even helps improve your new product introduction (NPI) processes, and execute NPIs much more effectively.

Windchill enables all constituents to speak a common language, automate and streamline the process, expose performance bottlenecks, drive consistent execution and continuous improvement, and provide management visibility into the product development pipeline. It captures and automates the NPI process electronically, so you can reduce non-value added paperwork associated with creating, managing and sharing project information and deliverables.

Benefits

- Provide all stakeholders with current project data and real-time visibility into performance metrics and project status
- Accelerate benchmarking opportunities, leverage best practices and execute projects by providing common virtual workspaces for internal (cross functional) and external (supplier, partner, customer) teams
- Increase successful project completion rate by providing all necessary execution tools, including a repeatable, customer-defined NPI project template that maps and automates the organization's business process
- Free time for customer input and product innovation by reducing non-value adding data management and project administration



In the past, we used to do project management with spreadsheets – which is difficult to get real-time information since we only had weekly updates when we would meet to follow up on projects. We needed a tool that was powerful and robust enough to allow us to have a common language at all stages of the product development process. We needed a PLM tool like Windchill. That would allow us to do project management and manage all new product development information.”

Andres Ramirez, Panamerican PDM
Corona and Pedro Pablo Velasquez,
DNP and Innovation Specialist, Corona

Features

Project planning and execution

- Create detailed project definition and deliverables in project plan, and assign resources to activities
- Configure reusable plan types
- Execute the project plan manually or automatically
- Track the project plan using Gantt, timeline, project plan table and tasks table.

Business process automation

- Supports methodologies such as PACE™ and Stage-Gate
- Action Item capture and resolution management
- Enforce deadlines with escalation policies for proactive and follow-up
- Task reassignment helps project leaders relieve bottlenecks and facilitate workflow
- Advanced workflow definition capabilities to automate proprietary processes, including support for nested processes, process referencing, conditional branching, voting, synchronization, timers, iterative loops and response-based routing

Web-based

- Web-based interface presents all information relevant to specific roles, responsibilities and tasks
- Personalized subscription and notification keep development teams attuned to the latest changes
- Project portals to dedicated workspaces enable the project team to track the project schedule, deliverables, status and associated tasks
- User portals offer personalized views of specific projects and activities
- Uses standard Web browser

Viewing plan activities tracking subjects

- View all plan activities that are tracking any version of the subject
- Support planning actions in the context of the subject
- Configure administrative and user-defined table views

Manage deliverables when tracking work

- Project reporting with default reports
- Deliverable scheduling in the context of a plan
- Associated deliverables appear in the resource assignment information page
- Actions associated with the subject can be taken from the associated deliverables table
- Assigned resources can manage their deliverables when tracking work

Automatically calculate health status and deadline

- Plug in customer-defined health status and deadline calculations using supported customization steps
- Reschedule action applies customer-defined health status and deadline calculations
- Automatically recalculate daily (if enabled)

Microsoft® Project integration

- Import Microsoft Project Plan
- Facilitate project planning “roundtrip” scenario
- Microsoft Project 2003, 2007, 2010, 2013, 2016, 2019 (coming soon)



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