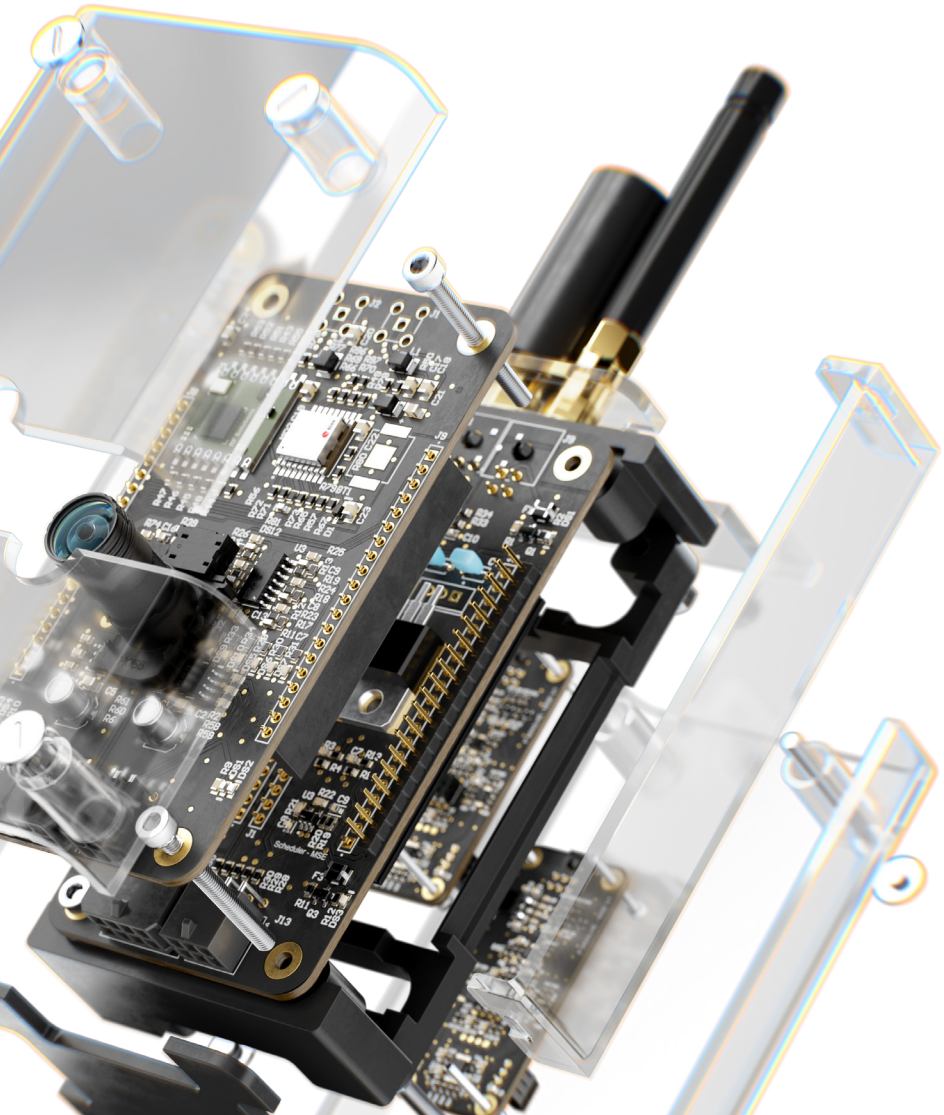
Altium®
Agile Teams

The New Standard for Speed, Structure & Flexibility in Connected Electronics Design

Executive Summary

In the competitive footrace for introducing new electronic products, the speed of innovation defines who leads and who loses. For today's electronics organizations, velocity alone is no longer enough. The real challenge is scaling that speed across distributed teams, complex projects, and growing regulatory requirements.



Agile Teams gives teams cutting-edge connected design capabilities through a unified, cloud-based platform where speed, structure, and flexibility reinforce each other, instead of competing for priority.

Altium Agile Teams brings together the proven design power of Altium Designer Agile, the secure cloud connectivity of Altium 365, and the real-time component intelligence of Octopart , then adds an enterprise layer of structure for repeatable processes. So that structure doesn't stifle innovation, Agile Teams also features platform flexibility to adapt to industry change or localize the solution to a team's unique circumstances.

With Agile Teams, hardware organizations can move as fast as a startup while operating with the discipline of a large enterprise.

Engineers collaborate continuously in real time–reviewing designs and providing in-context comments across connected ECAD, MCAD, and PLM systems. PCB designers can co-author the same board simultaneously or co-design with mechanical engineers in a shared workspace. Managers gain full visibility and control through structured workflows and streamlined, multidisciplinary design reviews. Procurement leaders can manage many component BOMs, with live connection to supply chain updates. Compliance and IT teams control data governance through built-in permissions, audit trails, and lifecycle management, all without slowing the speed of their design team's innovation.

Start accelerating your engineering workflows and your multidisciplinary collaboration with Altium Agile Teams – the fastest, most secure way to design electronic hardware at scale.

The Challenge: Scaling Speed Without Losing Control

Every engineering team wants to move faster. But as organizations grow, they often feel they must sacrifice project velocity to accommodate more complex operations. At Altium, we know that this is a false choice. As the greatest marathon runners will tell you, running a faster pace can make the race easier, if you can reduce the runner's exposure to sun, wind, and impact by finishing the race sooner. The same goes for a new, agile way to develop embedded electronics: faster can be easier.

Today's electronics development teams often feel like they're running a marathon wearing old shoes. As projects multiply, collaboration crosses time zones, and compliance expectations increase, the pressure warps what used to be agile workflows into tangled, manual processes that take too much time to administer. The crushing administrative overhead robs energy from creativity and innovation.

Most hardware teams still juggle disconnected tools, file-based exchanges, and ad-hoc workflows. Design reviews happen in isolation, Jira tickets drift out of sync, and component data lives in separate spreadsheets. The result? Delays, duplication, and lost trust in data.

The Hidden (or Obvious) Cost of Complexity

As teams scale, so does risk to their agility. Multiple designers editing the same board can introduce conflicts and rework. Incomplete version control leads to outdated libraries. Manual approvals slow down releases and open compliance gaps.

At a certain size, even the most talented engineers spend more time managing processes than creating electronics.

Industry research confirms this creeping inefficiency. According to Bain & Company, many engineers in traditional firms devote barely half of their time to active design work, while they lose a significant number of hours to rework and administrative tasks. If this sounds familiar, it's a sign that your team is using fragmented tools and outdated workflows.

Design efforts that used to be completed with simple, ad hoc collaboration now demand structure, governance, and traceability. But they cannot lose the creative velocity that drives innovation and keeps your design team in the race, excited to keep running.

Organizations face a paradox: they need startup speed with enterprise control.

While basic cloud or desktop collaboration tools lack the precision and security that electronics design demands, traditional ECAD or PLM systems can be too rigid. The missing link is a modern, cloud-based platform built for connected hardware development that also balances agility with oversight.

Industry research shows that the cloud-based Electronic Design Automation (EDA) market continues to expand rapidly as organizations move design and verification processes online to accelerate product development, improve team synchronization, and reduce manual engineering overhead.

Altium Agile Teams meets this EDA moment by bringing clarity, security, and structure to modern hardware design, along with enterprise structure and configurable flexibility.

Enterprise-grade Agility: The Best of Both Worlds

In most organizations, agility and control do not coexist. One drives speed and innovation; the other demands structure and security. Altium Agile Teams gives engineering organizations the best of both worlds.

Agile Teams extends the collaborative foundation of Altium 365, adding the enterprise-grade capabilities that let teams scale without losing momentum.

- **Work faster, together.** Bring your whole crew onto Agile Teams for concurrent co-creation, with up to 25 concurrent ECAD authors and up to 250 project collaborators, who can work simultaneously from anywhere in the world. Designers can co-author the same PCB in real time. ECAD-MCAD synchronization ensures mechanical and electrical experts can design together, without falling out of sync.
- **Work smarter, with confidence.** Integrated PLM connectors, role-based permissions, event logs, and best-practice workflows weave the work together with a shared digital thread. Every design change and approval is recorded, traceable, and secure.
- **Work seamlessly, across teams.** Whether your project spans continents or disciplines, everyone collaborates on one platform, sharing data, context, and purpose.

Agile Teams flips organizational complexity into a competitive advantage. Now true agility doesn't mean choosing between speed and control. It means mastering both together.

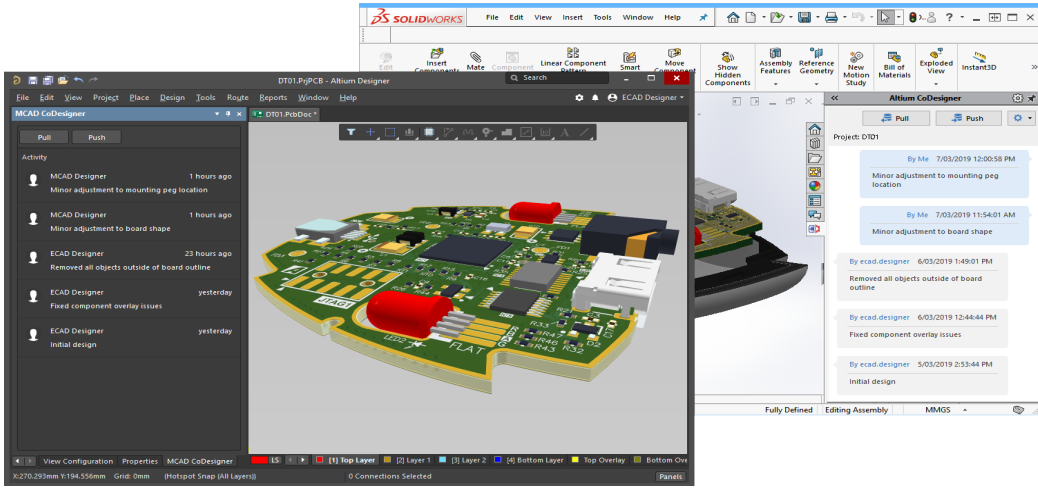
How Altium Agile Teams Gives Both Speed & Control

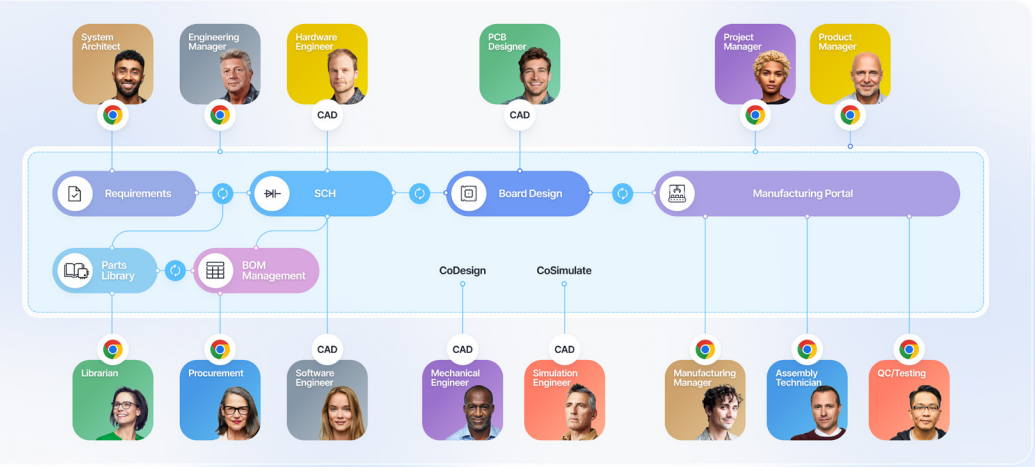
Altium Agile Teams promises speed at scale, control with structure, and flexible adaptability.

Speed at Scale

Accelerate every development cycle through real-time collaboration.

Multiple PCB designers can co-author the same board simultaneously, while ECAD-MCAD collaboration ensures perfect alignment between mechanical and electrical requirements. PLM and Jira integrations remove manual steps and reporting loops that can add time and lead to errors.





Structured Repeatability

Your teams do the same type of work day in, day out, but the specific details change with every project. Agile Teams introduces needed structure for people, processes, and data that you might not have needed when everyone was working in the same room.

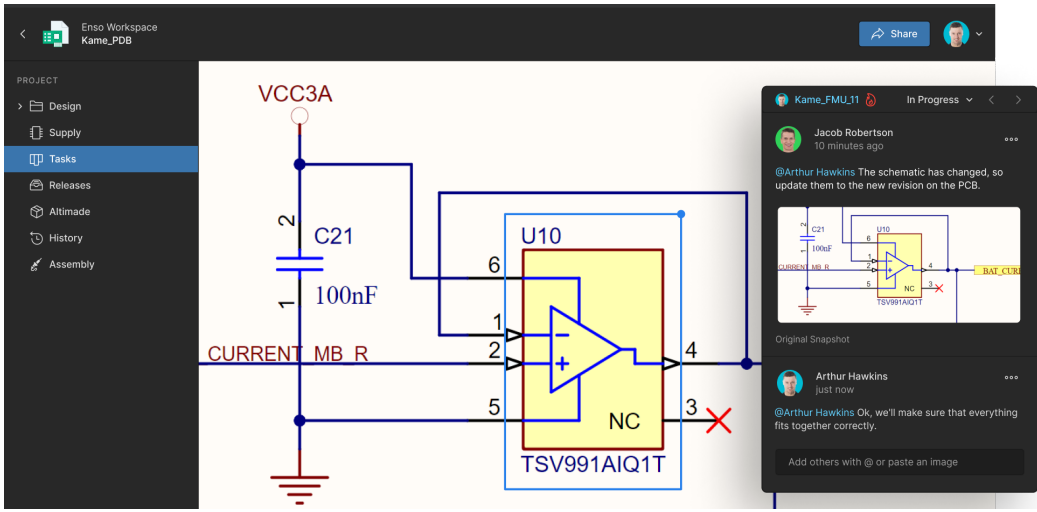
People Structure

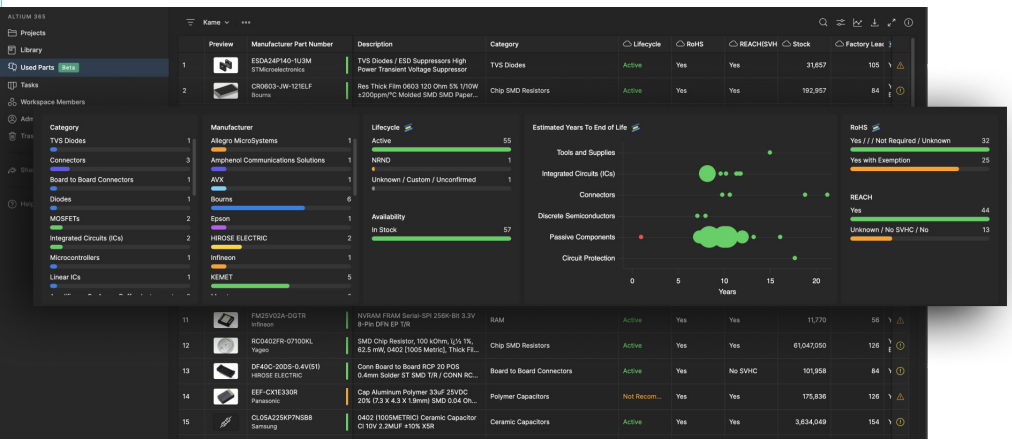
Securely manage all project stakeholders with role-based team permissions and guest collaborator access. Centralize license management to control privileges in design tools, even as users come and go across many projects.

Process Structure

Streamline design reviews with in-browser commenting and structured signoffs.

- Run reviews in an asynchronous, distributed manner
- Leave comments and generate tasks within design documents
- Structure design reviews with custom checklists





Manage complex BOMs with a live connection to component supply chain data.

- Manage BOM data in a dynamic cloud portal, not in Excel
- Bring component data to where engineers design PCBs
- Save hours normally wasted comparing prices on distributor websites

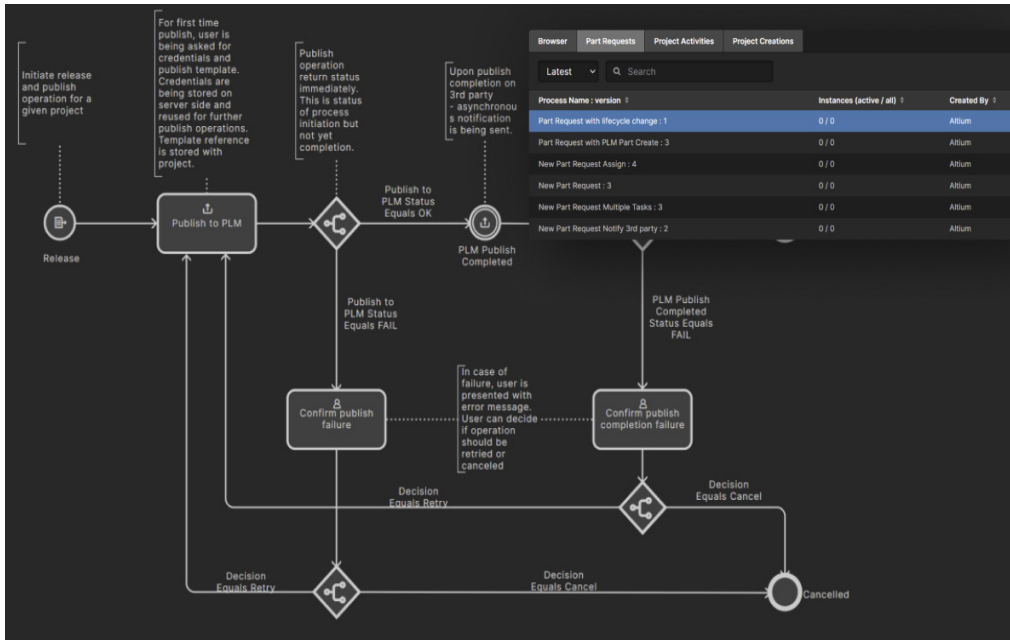
Standardize workflows to automate many of the manual and repetitive steps that annoy experienced engineers and slow onboarding for new engineers.

- **Structure best practices** to eliminate process variations, save time, and avoid re-work
- **Minimize human error** and keep processes aligned across multiple projects
- **Reduce busywork** by automating repeated, low-value tasks through automation

Data Structure

Centralize all project data on Agile Teams, so that any member of a large, distributed team can drop into a project – whenever and wherever they like – and always trust the data.

- **Access workspaces globally** so anyone can work within a shared, secure platform.
- **Maintain a central part library** to boost reuse of preferred components.
- **Integrate your ecosystem** to connect directly to Jira and PLM tools like Duro PLM or Arena® PLM.



Secure Flexibility

As your organization grows, projects become more complex. You need flexibility to evolve, without putting people, processes, and data at risk. Single sign-on, event logs, and user grouping and permissions preserve trust without slowing you down. Go ahead: optimize your people and processes for every project. The data is secure.

- **The global access license** lets engineering managers bring their whole crew onto Agile Teams for concurrent collaboration, without worrying about the cost to invite that next person to the workspace. Add up to 25 concurrent ECAD authors and up to 250 project collaborators, from anywhere in the world.
- **Single sign-on** helps you easily manage and secure digital identities and control user access via your existing identity management system.
- **Enterprise-level event monitoring** logs user actions. Event logs include detailed information for each event entry such as: when it occurred, who invoked the event, and what object or user was affected. This streamlines compliance workloads with comprehensive event tracking and reporting.

Powered by Proven Capabilities in Altium Designer Agile & Altium 365

Altium Agile Teams combines the PCB design horsepower of Altium Designer Agile with the collaborative ease of Altium 365 and strengthens those experiences for modern organizations.

PCB Co-Authoring

Multiple designers work in parallel on the same board, accelerating complex layouts.

ECAD-MCAD Co-Design

Mechanical and electrical teams stay aligned with synchronized 3D data and enclosure-driven design.

PLM & Jira Integrations

Keep engineering and project data in sync across tools, ensuring clear traceability from concept to release.

Structured & Automated Workflows

Standardize reviews, part requests, approvals and releases with built-in automation to accelerate delivery.

Collaborative BOM & Supply Chain Visibility

Make sourcing decisions with real-time pricing, availability, and lifecycle data, in the context of the design.

Centralized Libraries & Shared Data

Ensure every team works from consistent, governed, high-quality components and project assets.

Role-Based Access Control

Define who can view, edit or approve design assets with granular permission settings that safeguard IP.

Lifecycle & Change Control

Govern lifecycle states and checks to prevent drafts or obsolete items from entering releases.

Audit Trails & Secure Cloud Infrastructure

Ensure accountability with full change tracking, SSO, and enterprise-grade protection (SOC 2, GDPR).

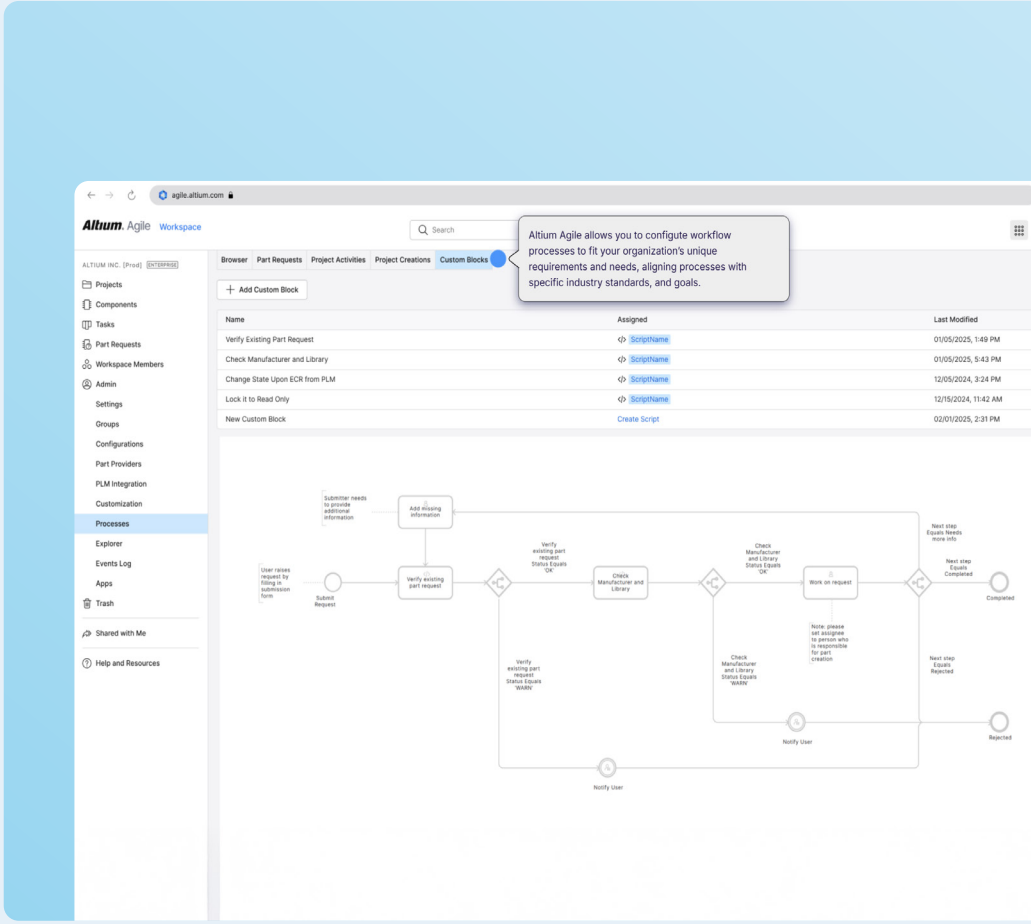
Control Without Complexity

Modern hardware teams need both speed and control.

Altium Agile Teams brings the two together by embedding security, workflows, permissions, and traceability directly into the design environment, without slowing engineers down.

Instead of adding more process hurdles, Agile Teams removes friction: approvals run automatically, data stays governed and consistent, and access is managed centrally with enterprise-grade authentication.

It's structured oversight that feels effortless, keeping teams fast, aligned, and protected as they scale.



Why Now

Product development cycles are accelerating, and teams must coordinate more work across more roles in less time. A 2024 Protolabs survey shows most organizations are developing new products faster to stay competitive.

Altium Agile Teams meets this shift by giving hardware organizations a secure environment where speed, structure, and flexibility come together. It's the foundation for scaling innovation without adding complexity.

Start Accelerating With Altium Agile Teams

Experience enterprise-level collaboration without the enterprise-level friction.

Build speed, structure, and flexibility into every stage of your product development. Beginning with the first schematic through the final release, and continuing with ongoing management of the product lifecycle.

Get Started →

Sources:

Bain & Company, “Bridging the Talent Gap in Engineering and R&D”, 2023

Market Research Future, “Cloud Electronic Design Automation Market Report,”, 2024

Protolabs, “Product Development Trends in 2024”, 2024