

Integrated Supply-Chain and BOM Management

One governed BOM connects design, procurement and enterprise systems

In complex product organizations, misalignment is predictable. Engineers select components without real-time supply-chain visibility. Procurement uncovers constraints only after designs are locked. Manufacturing absorbs inconsistencies. PLM and ERP goes away from design intent. Work in the end gets done, but not organized.

Integrated Supply-Chain & BOM Management resolves this fragmentation by making the **BOM the anchor** of the entire product lifecycle. Engineers access live supply-chain intelligence as they design. Procurement works from a single, governed BOM instead of reconciling versions. Manufacturing receives a clean, consistent definition. Enterprise systems stay aligned automatically.

The result is a continuous thread: **design intent, supply-chain reality, and enterprise governance moving together.**

Technical Perspective

Integrated Supply-Chain & BOM Management is a core technical aspect of the Altium Agile Enterprise Platform because it keeps the product definition, sourcing intelligence, and enterprise data aligned around a single, governed BOM. Instead of allowing engineering, procurement, and manufacturing to operate from diverging versions, it establishes a unified BOM system of record that stays consistent from initial part selection through release.

At the Moment of Design

Every modification, commit, and project event recorded automatically — who changed what, when, and why — without manual effort.

As Procurement Prepares to Act

Structured workflows that capture feedback, sign-offs, and reviewer accountability tied directly to the design state at the time they occurred.

When Governance Must Hold Across the Enterprise

Continuous visibility into workspace activity, external contributor actions, and security events — providing the evidence compliance and program reviews require.

What Integrated Supply-chain and BOM Management Delivers

The BOM defines what you build. Integrated Supply-Chain & BOM Management determines whether you can build it: on time, on cost, and at scale.

Design Intelligence ✓ Octopart – Real pricing, stock, alternates, and part intelligence at the selection ✓ IHS Markit – Long-term supply stability and technology forecasts ✓ SiliconExpert – Compliance, lifecycle forecasting, PCN tracking ✓ Z2Data – Disruption, dependency, and geopolitical risk scoring ✓ ActiveBOM – A live BOM inside Altium Designer
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A Platform for Enterprise-wide Electronics Development

Bring intelligence, scale, governance, and extensibility to the way your organization manages electronics development

Intelligence Turn fragmented data into connected context and actionable intelligence. Natively integrating AI with the Enterprise platform will further enhance connected context and actionable intelligence.	Governance Operate with enterprise-level control, security, and accountability maintaining governance across electronics development, reducing risks, protecting intellectual property, and establishing ownership.
Scalability Execute at enterprise speed and scale enabling teams across product lines and business units to work through governed processes, connected data, consistent execution, and standardized practices.	Extensibility Adapt and extend the platform to unique operating models connecting electronics development with business systems, cross-domain engineering, external partners, and enterprise digital thread.