PTC®

the product development company®

Pragmatic Agile SSLM

Taking Agile beyond project management to improve the end-to-end software system lifecycle

FOR LARGE ORGANIZATIONS AND COMPLEX OR REGULATED SOFTWARE ENVIRONMENTS, INTEGRITY, A PTC PRODUCT, IS THE ONLY SOLUTION THAT OPENS UP THE VALUE OF AGILE DEVELOPMENT WITH A COMPLETE, ENTERPRISE-CLASS SOFTWARE-SYSTEM LIFECYCLE MANAGEMENT PLATFORM.

Why Integrity for Agile?

Integrity Agile solutions thrive in traditionally challenging environments for Agile adoption, such as very large enterprises or product-centric software development.

Why? Beyond the basic challenges of enterprise software development, the line where Agile practices start and stop is not always clear and Agile teams often must interact with non-Agile teams on large products or projects.

Integrity solves these challenges by providing:

- Superior process configurability that flexibly supports Lean development and hybrid Agile environments.

- A single source of truth for all assets and activities.

- Management of Agile, iterative and traditional methodologies within the same platform.

- True enterprise scalability, spanning disparate locations, teams, technologies, platforms, and processes.

- Complete traceability and auditability to satisfy governance and regulatory demands.

Agile Values, Enterprise Reality

Our solutions enable software development organizations to align with the tenets of Agile, yet also support the needs of complex and interrelated projects and product lines in the enterprise:

- A single platform eliminates shifting contexts and confusion over tools and processes. We get tools and technology out of the way so software engineers can innovate.

- Automation and complete traceability reduces the lift to deliver the needed amount of documentation.

- When all contributors to the finished product operate in a single context (even as they shift roles as part of Agile), collaboration becomes second nature.

- Managing change and the impact of change is drastically improved with full upstream and downstream notifications.

- Assets, fields, forms and processes can be rapidly tuned and adjusted to the specific and evolving needs of each organization, and teams within that organization.

Integrity and Agile: One Platform, Many Benefits

Integrity addresses Agile and other development methods across the entire application lifecycle, in a single unified platform that is easily configured to your unique needs. No other solution on the market today offers the same combination of scalability, security and process configurability.

Scale across the enterprise

Integrity is used today across dozens of locations and thousands of users at the most demanding software engineering organizations in the world. We help you manage both Agile and non-Agile teams on the same platform, while rolling up data to provide consistent views across portfolios and product lines. For one or a handful of Agile projects, a whiteboard and sticky notes may be enough. When you have dozens or hundreds of interrelated projects, you need enterprise-class scalability.
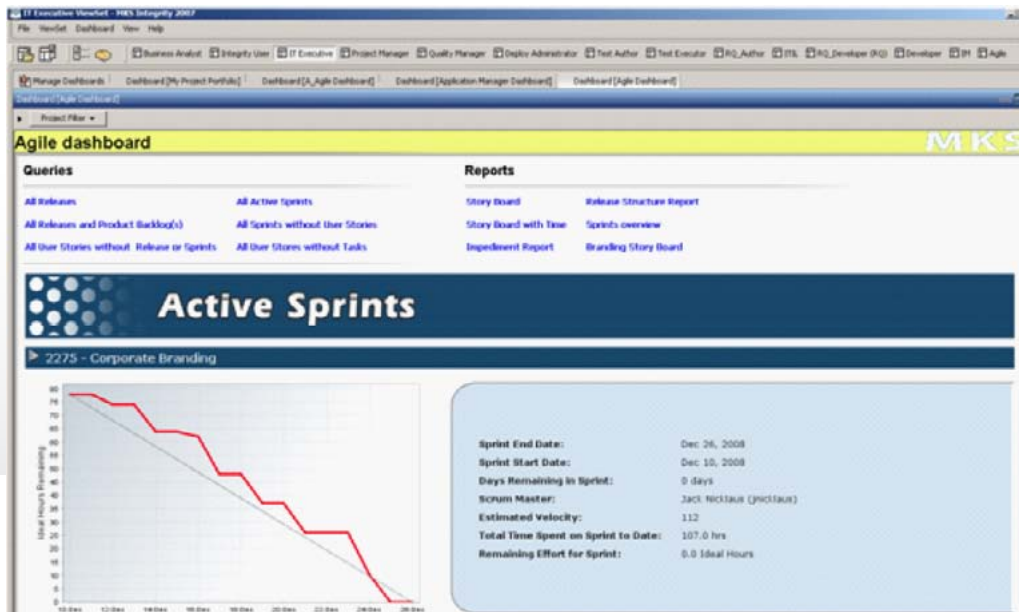
When requirements meet user stories

Integrity includes top-rated requirements management capabilities in addition to backlog and user story management. On large traditional projects, requirements can be split up into User Stories for teams using an Agile approach. All assets are related to one another with full traceability from originating requirement to delivered final product. Common reporting provides visibility across all teams (and methodologies).

True collaboration throughout the lifecycle

Integrity delivers end-to-end application lifecycle management in an Agile context; team members in various roles (business analyst, developer, tester, etc.) interact with the same platform in a way consistent with each role's needs. A common repository of assets and activities offers full versioning and control over all of those assets. Collaboration and change analysis is simplified when all contributors are notified (in real time) of changes to the user stories, code, test results and other assets in the system. Cross-functional Agile team members remain in the same system as they move from coding to testing and so on.

Full quality management is built-in

Integrity offers scalable, enterprise-grade test management capabilities; transparency and context for testing is available 'out of the box' as a native part of the platform. Each User Story can have test suites of test cases pertaining to that story. Integrating quality throughout the lifecycle is simplified when everyone is using the same solution. Integrity includes an Automated Test Execution Framework to initiate and capture automated tests for review & analysis. Testing is related to the relevant requirements, user stories and other assets, enabling requirements-based testing. Unparalleled reuse capabilities (including parameterized testing) increase the agility of testing and reduce the lift to ensure high quality product is shipped.

Integrity allows you to manage your Agile development teams with out-of-the -box support for Scrum and the flexibility to fit your unique needs.

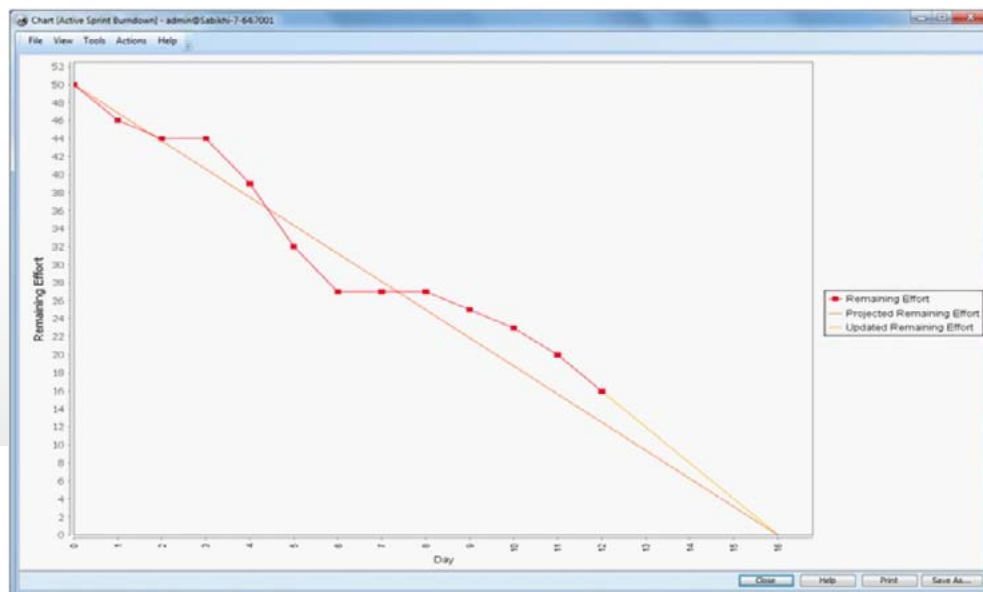## Balancing flexibility with consistency

The biggest challenge facing "Agile in the large" can be ensuring teams can practice their own unique flavor of Agile without compromising the visibility and consistency demanded by large and interconnected projects or product lines. Integrity allows Agile teams to work as they wish, preventing the solution from getting in the way of work getting done. Integrity strongly supports continuous improvement through the combination of easy configuration and strong change management for processes as well as assets.

Day-to-day Agile project execution

Integrity delivers a full set of capabilities for successful execution of Agile projects. From initial project setup to the ongoing assignment and completion of tasks within each sprint, all aspects of the project benefit from automation, collaboration and full traceability across assets and activities. The net result is less time and effort spent on administration and more time for innovation.

More than reports – real-time monitoring

With all assets and activities in a single unified platform, Integrity's Agile dashboards give you actionable real-time metrics into what is happening NOW, allowing your team to react to change as it occurs rather than wasting time on discovery and rework. Out of the box, Integrity includes comprehensive role-specific dashboards (Scrum Master, Product Owner, Developer, Release Manager, etc.). You can review release burndowns and burnups as well as other data needed for insight into projects, releases, trends, teams, stories, defects, tests, issues, requests and more. Dashboards can also present data across multiple projects. Extensive configuration capabilities allow adjustment of each dashboard to suit the unique needs of a team member, and powerful ad hoc querying supports drilling down 'on the fly' to investigate areas of concern.

Sprint burndowns and other data presented in Integrity dashboards are driven from real-time data.

Keeping your projects secure

Compliance and audit are key concerns for development in regulated or sensitive industries. Integrity offers full encryption of communications across the platform coupled with powerful authorization and authentication (including leverage of LDAP) and support for multiple factor authentication. Integrity provides fine-grained access control for both users and groups, and support for role-based permissions. E-signatures are also available on any operation, to provide clear authorization trails.

We work where you work

As an enterprise-class Software System Lifecycle Management platform, Integrity supports Windows, Unix, Linux and IBM i environments and delivers both desktop and web clients with functional parity. Internationalization permits global teams to collaborate on the same system and more than 20 supported IDE integrations include multiple flavors of Eclipse and Visual Studio as well as RDi, JBuilder and other environments. Integrity also includes a complete software change and configuration management capability and can integrate to other SCM products as needed. There is no need to manage your code in a separate silo when it can be part of a single platform.

Integrity Business Unit Locations

North America
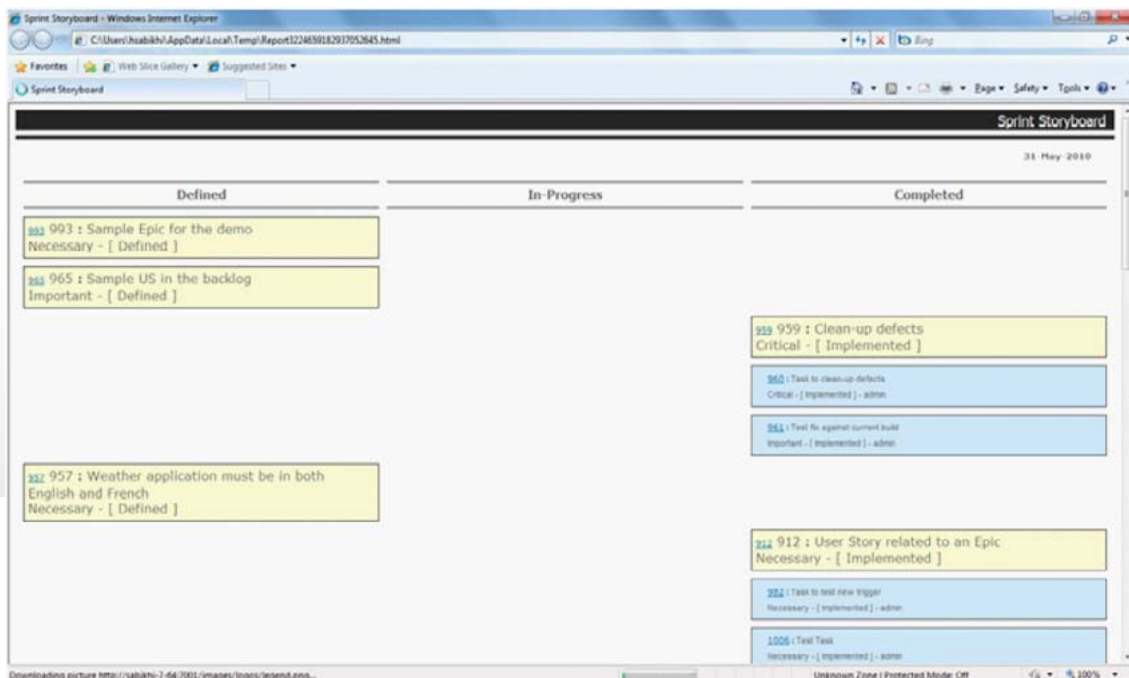1 800 613 7535

United Kingdom
+44 (0) 1252 453 400

Germany
+49 (0) 711 3517 75 0

Asia Pacific
+65 6830 8338

Japan
+81 3 5422 9503

integrityinfo@ptc.com

Dynamic sprint storyboards provide a graphical view into the underlying user stories and tasks.