Process industrialization and skill capitalization

In the scope of its CMMI Level 3 evaluation approach, AIRBUS CIMPA wished to industrialize all its processes notably project management (portfolio management, risk management, test management and time tracking) and has started work capitalizing on skills and best practices.

This project harmonized and standardized the tools used on the different projects in order to optimize services management and offer AIRBUS CIMPA’s customers better quality services and competitive prices.

In terms of architecture, AIRBUS CIMPA were completely reassured with the JIRA solution, notably the environments it supported, the full web architecture, the openness and the richness of its plugin library. AIRBUS CIMPA also attached importance to the integration possibilities of JIRA with existing tools (MS Project, CVS, CMSynergy, Mantis).

With regards to test management, the solutions Quality Center and Testlink were studied but the flexibility of the Valiantys TMT solution, the low cost of Atlassian tools and the related business model were significant criterions of choice.

The challenge

The major issue at stake in this project was the implementation of global metrics through a centralization approach in order to enable capitalization. AIRBUS CIMPA needed to be in position to use a data model integrating change management, configuration management and project management in order to build the KPI (Key Project Indicators) which would enable the optimization of its project management method.

**Project Description**

*Number of users*: 120  
*Number of projects*: 100  
*Number of issues*: 5000  
*Architecture*: Windows/Apache/Tomcat/Oracle  
*Atlassian tools*: JIRA 3.13, Confluence 2.10
The Valiantys Approach

Valiantys was present throughout the project and notably in the following areas:

- Training,
- Technical architecture,
- Set-up,
- Plugin developments,
- Code review on AIRBUS CIMPA plugins.

The project was organized in three parts: the first part was relative to initial tools deployment, the second part to the building of a set of dashboards for process management, and last part concerned the implementation of the Valiantys TMT solution for Test Management.

AIRBUS CIMPA relied upon the following plugins and solutions to carry the project through:

- JIRA Advanced Report (Valiantys solution)
- Test Management Toolkit - TMT Solution (Valiantys solution)
- Improve Clone Issue Operation - ICIO (Valiantys plugin)
- Integration SynergyCM (Valiantys specific development)
- Risk Management (Valiantys specific development)
- Import MSP (CIMPA specific development)
- Time Tracking portlet (Valiantys specific development)

Conclusion and Outlook

As a direct result of the change management approach, the solution was well received and accepted by the teams. The move from the MANTIS solution to JIRA was particularly fluid, and today the JIRA deployment is fully stabilized.

The collaboration with Valiantys continues, a new Knowledge Management (KM) project using the solution Confluence has started.

The creation of a service catalog in JIRA and the enrichment of the TMT implementation are also being studied.

We were convinced by the integration possibilities of JIRA with existing tools (MS Project, CVS, CMSynergy, Mantis).

P.F. (Airbus CIMPA Project Leader)