

Effective Combination of Independent Software Tools Increases Productivity

The „Automation Service Bus®“ made by logi.cals opens up new possibilities for collaborative engineering.

With the „Automation Service Bus®“ (ASB) logi.cals provides the basis for systematic and efficient integration of autonomous software tools. At the SPS/IPC/Drives 2011, the international exhibition and conference for electric automation, from November 22 - 24 in Nuremberg, the Austrian software company logi.cals will present its latest innovative use cases for the industry segments plant planning, project planning and integration, realized with the ASB. „Connecting artefacts from different domains results in a gain of efficiency for all users“, says logi.cals CEO Heinrich Steininger. In addition, logi.cals will present brand-new solutions for Condition Monitoring and Safety Engineering at its stand 138 in Hall 7A.

Oberwölbling, November 21, 2011 – logi.cals developed the open integration solution „Automation Service Bus®“ (ASB) in cooperation with the Christian Doppler laboratory CDL-Flex at the Vienna University of Technology. The latest innovative use cases for the industry segments plant planning, project planning and integration, realized with the ASB, will be presented at the SPS/IPC/Drives 2011 in Nuremberg (Hall 7A, Stand 138).

Integration Across All Software Limits

The open integration solution is based on three levels: technical integration of all involved software tools, semantic integration and process integration. This supports collaborative engineering effectively and forms the basis for the 'Engineering Cockpit'. This cockpit ensures an overview of the projects for all engineering disciplines and across all domains.

Change Management across Software Tools

In the engineering process of industrial plants, changes in plans of one discipline often have an impact on plans of other disciplines. The software tools, however, are not seamlessly integrated. Therefore, the correct and efficient transfer as well as the maintenance of engineering object data is a great challenge. Comprehensive change management using the „Engineering Cockpit“ allows for the automatic distribution of changes via the integration application and therefore reduces the workload in software tools of other disciplines remarkably. Close cooperation between ANDRITZ HYDRO and logi.cals showed first positive results: engineers could be supported with efficient synchronization of different disciplines.

Up-to-date Project Overview with the Engineering Cockpit

Parallel and distributed development of planning data restricts the continuous overview of the real progress in a project. Very often risks and delays are recognized only shortly before reaching a process milestone. However, if the involved engineering groups synchronize local changes to planning data via the Automation Service Bus® (ASB), the web-based Engineering Cockpit allows a project and process view across disciplines. So the project management is provided with a cross-discipline project and process view based on real planning data, even between milestones. The next step will be the practical application of the Engineering Cockpit in several power plant planning projects of ANRITZ HYDRO. logi.cals will present the above use cases for the first time at the SPS/IPC/Drives 2011 in Nuremberg at the logi.cals stand (hall 7A-138) and the Vienna University of Technology stand (hall 2-461).

New Standards in Maintenance and Quality Assurance

logi.cals and cooperation partner Messfeld GmbH pursue completely new approaches in the fields of Condition Monitoring. Complementary competences of the partner companies provide the basis for innovative product applications. „As a service company, Messfeld is very close to its customers and the challenges they have to face. We use the resulting know-how for our common product development, which leads to perfectly customer-oriented solutions“, says Erich Jellinek, logi.cals' director sales & marketing. The goals of Condition Monitoring are: improving efficiency and lowering costs. Expensive and complex measuring technology systems are replaced by reasonable and easy-to-handle standard industry solutions. Therefore, many drive units which have not been monitored so far can be equipped with Condition

Monitoring solutions.

Compact All-Rounder for Measuring Data Acquisition, Automation and Condition Monitoring

Autarkic (battery-supplied), well-designed, easy-to-handle and with a lot of logi.cals power inside: with the PADU-C solution, logi.cals and hardware partner iba AG launch an inexpensive and most efficient alternative for automation and condition monitoring tasks on the market. The „passionate measuring-data collectors“ from iba AG provide the PADU-C, the powerful hardware for measuring-data collection. logi.cals integrates its software package „logi.GUARD powered by Messfeld“ into the data logger, which has been optimized for condition monitoring tasks. logi.GUARD is an integrated system of automation and condition monitoring. This freely programmable, automated platform for measurement technology is especially geared to measuring and analysing physical values in industrial automation systems. Digital inputs allow also rotational-frequency-synchronous data logging.

A freely programmable Condition Monitoring solution can be easily and directly integrated in the PLC At a reasonable price. This solution can be realized within process control with all the advantages of automation solutions. And it allows subsequent „tuning up“ of existing plants and systems!

The CM function block library with extensive mathematical functions and algorithms (RMS, Peak, FFT, limiting values etc.) allows for easy adaptation even to most varied applications and makes the system solution perfect.

Safety-Engineering in the Usual Tool Environment

logi.cals is glad to have taken another successful step in the development of the safety-add-on logi.SIL. A pre-release of the new development was recently shipped to the long-term logi.cals partner, Siemens Energy Automation. Using logi.SIL, Siemens will be able to undergo TÜV inspection up to safety level SIL 2 with its newly developed safety component of the proven automation system SICAM 1703.

ANDRITZ HYDRO, global supplier of electro-mechanical equipment and services for water power plants, has been using SICAM 1703 systems made by Siemens Energy Automation and automation software made by logi.cals for years. In future, the new safety component and logi.SIL will be used for safety-critical functions. Therefore, logi.SIL will be seamlessly integrated in the engineering system „TOOLBOX II“. „The great advantage of the logi.SIL safety concept is: This safety-add-on enables

engineering in your familiar tool environment“, says Erich Jellinek. logi.SIL integrates in established engineering processes and serves as a safety bridge between your non-safe engineering software and your safe control. Request to see it! At the SPS/IPC/Drives 2011, logi.cals stand 7A-138.

Corporate Data

logi.cals automation solutions & services GmbH has been developing state-of-the-art software for the automation technology, process-based industry and industrial plant engineering sectors for more than 20 years. logi.cals increases your productivity – automatically & reliably, easily & independently. logi.cals is a founding member of PLCopen, a member of AutomationML (www.automationml.org) and participates in various industry-related committees and user-organisations. Since January 2010 the company runs a Christian Doppler research laboratory at the Vienna University of Technology, focusing on „Engineering Environment Integration“. The company has at present 32 employees at its head-office in Oberwölbling near St. Pölten (Austria) and at its branch office in Langenfeld (Germany).

More information at: www.logicals.com

For further enquiries please contact:

Kommhaus

Altausseeer Straße 220

8990 Bad Aussee, Austria

Tel.: +43 3622 55344-22

E-Mail: presse@kommhaus.com