System integration

*System integration and the creation of software deliveries within a framework of **maintenance** and development*

Customer requirement

The customer requires a regular compilation of software releases including corresponding documentation which shows the progress and the current development status. In addition continual feature development, stabilisation and optimization should be carried out during the development phase until the software is finished. Components from external suppliers should be integrated into the software releases and sent to the customer.

Technologies used:
Perforce, Perl, Jam/Make, CruiseControl, Ant, CppUnit, Doxygen, DocBook, PcLint

comlet solution

First of all comlet implemented an adaptation or reorganization of suitable structures for source code management. It was divided into various development or release branches and external components were integrated.

In order to allow for feature development and bug fixing, regular integrations between various source code branches were planned and carried out.

In collaboration with the responsible developers and project managers, various development activities (e.g. the parallel development of several features) were coordinated.

comlet set up a management system for the existing software configurations or variants.

Build processes (one button builds) including module tests (unit tests) were optimised and automated.

The creation of deliveries and documentation was also automated.

In order to intervene as early as possible in case of problems and to isolate the cause quickly, comlet set up a continuous build (CruiseControl). Preliminary results (e.g. snap shots) were created which were needed for testing in the test department or for the customer.

comlet took charge of communication with various external suppliers in order to prepare a collective integration strategy.

comlet

comlet Verteilte Systeme GmbH | Amerikastr. 27 | D-66482 Zweibruecken | Phone +49 6332 811-100 | Fax +49 6332 811-315 | www.comlet.de | info@comlet.de