

FSUE «ALMAZ»
Russia, Saint-Petersburg

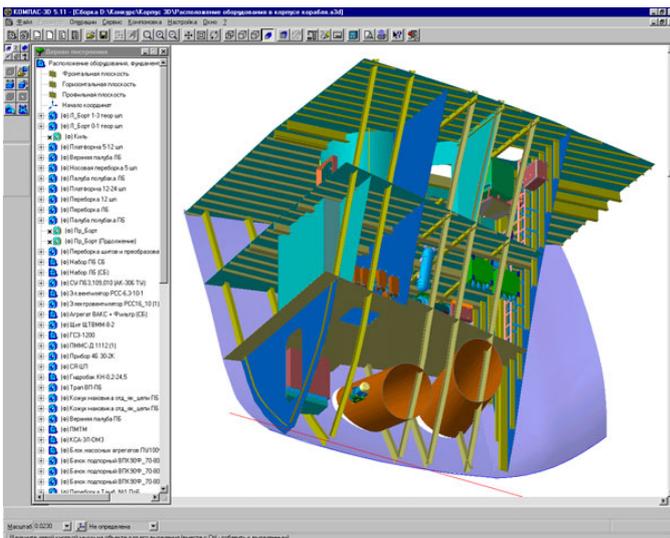


Central Marine construction bureau (CNCB) “ALMAZ” is one of the leading enterprise for designing speed-boats as well as other various ships in Russia and worldwide. The main expertise of ALMAZ are: designing of the shock speed-boats, air cushion storm-boats, speed patrol boats.

This enterprise started design automation back in 1997. Originally special-purpose software was uncoordinated, the users applied various kinds of programs. Such automation approach did not give wishful results. Obvious decision was to start using licensed software, train the employees and apply the experience of CAD supplier

specialists.

As the result of CAD market analysis the specialists of “ALMAZ” selected the complex software of ASCON. Back in 1999 the pilot project for using KOMPAS software was successfully implemented. As a consequence of that the contract was signed for purchasing 50 licenses of KOMPAS systems. Thus started the strategic partnership between FSUE “ALMAZ” and ASCON.



Each year usage of ASCON CAD solutions in construction bureau was expanded. Currently 100 licenses for drawing and design system KOMPAS-GRAPHIC and the solution for parametric 3D solid modeling KOMPAS-3D are used in FSUE “ALMAZ”.

In the last two years the partnership of the leading CAD supplier in Russia with “ALMAZ” came out on the new level. In the process of customized CAD systems adaptation, the company management realized that for further growth of the designing departments the network technologies should be used as well as new methods of the team work.

Unified high-performance computer network together with Client/Server system was developed for ALMAZ. It was specially designed for entries in material and utility database. This system also allowed generation of shipbuilding specifications as well as so-called transport arrays (specification in some certain format, specially designed for automatic processing by Automatic Control System of the shipbuilding yard).

In 2002 bureau purchased special shipbuilding CAD/CAM system TRIBON (Tribon Solution AB, Sweden). This system is used to e-prototype the space of new project ships.

At the same time it was necessary to develop the electronic archive, organize the electronic circulation for technical documents and cooperation with constructor plants on non-paper level. The experiments with Party Plus (“Locia Soft”, Moscow) and SmarTeam (IBM) PDM systems were performed in order to research the CALS-technologies. Another area of CALS-technologies application is the formation of technical interactive e-guides (TIEG), designed for organizations that are using the boats and ships of CNCB.

