

## «AVTOVAZ»

Russia, Togliatti, Samara region.



AVTOVAZ is far-famed automobile manufacturer in Russia.

Cooperation of the Russian leading automobile manufacturer and ASCON company started in 1997. After software seminars the pilot projects have been launched in 3 directions: car body assembly, experimental-industrial and energy departments.

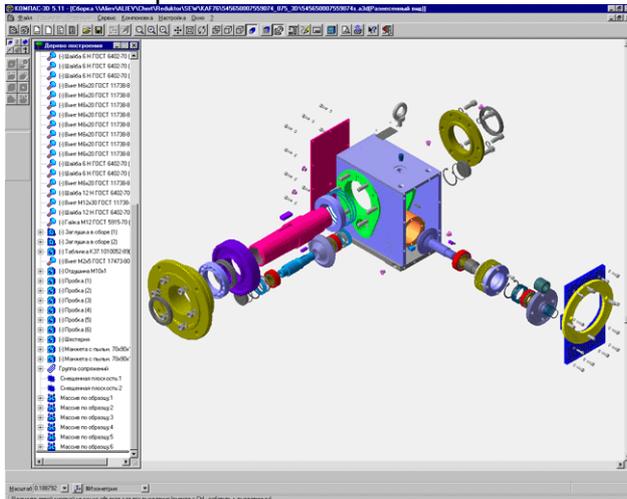
After testing period AVTOVAZ specialists admitted that KOMPAS family of solutions meets all the requirements of designers and technologists.

An important part of KOMPAS implementation was AVTOVAZ training center. In this center the training programs for new software were

developed for enterprise designers and technologists. Certified instructors trained several hundreds of AVTOVAZ employees. Company specialists had a chance to take a closer look on all ASCON products right on their workplaces. KOMPAS-GRAPHIC, supplemented with designing applications, became the basic drawing-and-graphical system on AVTOVAZ.

Back in 2001 in order to raise the effectiveness with strategic partner ASCON opened the office in Togliatti. The work of the regional office helped to provide fast feedback for KOMPAS implementation and organize qualified technical support on spots.

In October 2003 AVTOVAZ and ASCON signed new intention protocol for further KOMPAS software implementation.



Nowadays around 350 workspaces on AVTOVAZ are equipped with KOMPAS-GRAPHIC, KOMPAS-3D, KOMPAS-MANAGER as well as dozens of special KOMPAS applications and libraries. Around 300 licenses of ASCON software are being used as pilot projects.

The batch designing tasks, that are being solved with the help of KOMPAS, include equipment design, design of the spare parts for equipment maintenance, certain car parts and units as well as building design and equipment arrangement in departments.

In the designing departments of AVTOVAZ the problem of effective cooperation of software

complex components was successfully solved. Modeling of the complicated parts and components is being realized through other systems, such as Unigraphics and CATIA, the modeling of other articles as well as issue of design documentation is done through KOMPAS-3D and KOMPAS-GRAPHIC.

To solve the problems of the automotive design of technological processes as well as control of the engineering data should be done with the help of pilot projects with the implementation of KOMPAS-AUTOPROJECT and LOODSMAN:PLM.





**Vladimir Karpov, the head of CAD Department, Direction of technical development at AVTOVAZ:**

We chose the KOMPAS as the basic CAD system in AVTOVAZ designing departments. This decision was made upon successful results of the pilot projects in the car body assembly as well as experimental-industrial production departments. The results were positively valued at the Methodical board of CAD that includes representatives from all departments of the company.

In the first turn we see the effect of the CAD

implementation in the reduction of the preproduction time and increase of the development quality. This is realized through the following:

- Usage of the collected information, libraries and typical designs.
- Transfer of the design documentation into the e-format, that allows to search and use the drawings anytime.
- CAD automation allows to avoid mistakes on the designing level, saves much time that was usually spent on the documentation feedback.

The real efficiency of CAD implementation can be seen when automatize the whole chain, starting from designing and up to the CNC machine. Implementation of the KOMPAS helps us to achieve our goals.

Certainly while solving the CAD implementation tasks we focused much on the engineering data control and analyzed new solutions from ASCON in that area.



**Alexej Rumjancev, Director of ASCON-Togliatti:**

The main problem that is being solved by ASCON software solve is the transparency of the business processes in the departments. At that point actual information is available at any level, all the development stages are clarified and any stage is under control.

Implementation of the KOMPAS system as the basic CAD solution at the enterprise was accompanied by the progressive training in AVTOVAZ training center. As the result, certified specialists work on the certified software. This is an

important criteria that is considered all over the world as the quality standards.”

We have already implemented several hundreds of ASCON software licenses at this enterprise. For a proper cooperation it is important to have a local representative of our company next the customer. ASCON specialist work on installation, solve the problems regarding software compatibility, support the users on spots. As the result implementation of the newest ASCON CAD solutions at AVTOVAZ is one of the most important factors for producing quality automobiles.

