

AUTOMATION

Design and production center “NKMZ-Automatics”: Project development activities

The design and production center (DPC) "NKMZ-Automatics" is an official partner and authorized system integrator of Siemens AG automation and drive department as well as of such companies as Schneider-Electric and Rittal.

The center incorporates powerful research and development department the design engineers of which with their high proficiency and vast experience perform the management technological software of any degree of complexity for all branches of heavy industry and almost for all fields of mechanical engineering.

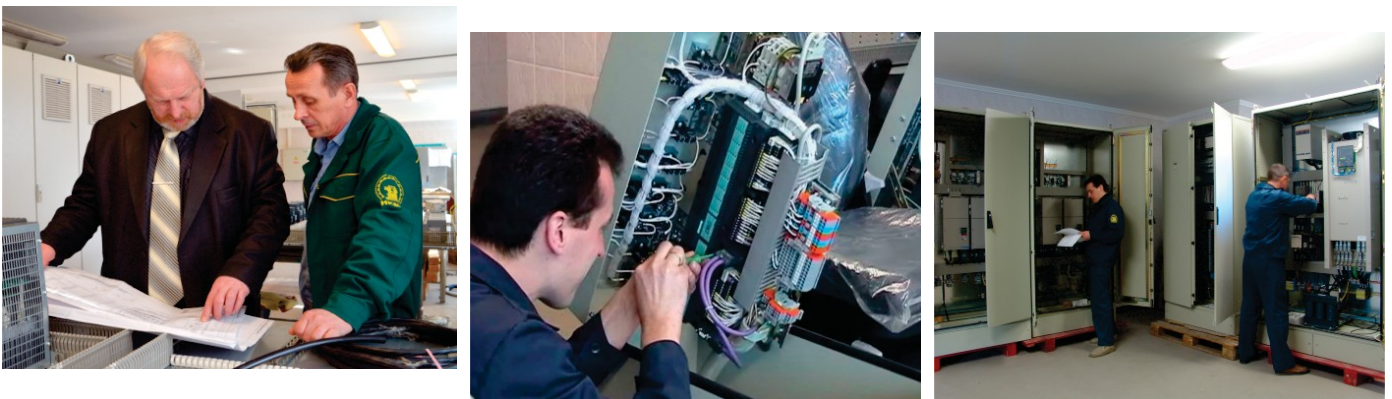
Within the scope of APCS realization the software development is performed at different automation levels: PCL level - with controllers from Siemens, Schneider-Electric, ABB, GE Fanuc and others; APCS level - SCADA-systems (Siemens WinCC, InTouch, FactoryLink and etc.); Integration level - systems are based on DBMS ORACLE, MS SQL and designed for APCS engineering data integration into enterprise data system; equipment status monitoring systems and technology implementation with provision of automatically recorded reports for managerial staff. The new systems are developed on the basis of gained experience and in accordance with proprietary standards for software design and development.

The SCADA-systems from world leading manufacturers are used for development of visualization systems.



Design and production center “NKMZ-Automatics”: Production base

The packaged control units under "NKMZ-Automatics" trademark are produced in erection workshop by qualified erection electricians.



Design and production center “NKMZ-Automatics”: Training center

Upon assistance of «Siemens» the classroom and testing ground facility, certified by the company, are opened, where the factory personnel and customer's personnel are trained to operate the hardware and software tools. The classroom is also fitted with controller equipment from Schneider-Electric and GE Fanuc.



Design and production center “NKMZ-Automatics”: Turnkey operation and service

The design and production center (DPC) "NKMZ-Automatics" performs complete integrated automation of heavy industry facilities:

- pre-project research and preparation of the technical-and-commercial offer;
- investigation of the facility to be automated and collection of initial data;
- preparation of technical design assignment;
- design works;
- manufacture and tests of packaged control units;
- installation and commissioning works, designer's supervision;
- guarantee and post-guarantee services;
- operational personnel training.

