

ALPHA

We offer comprehensive air traffic management solutions for ATM centers of medium and high intensity of air traffic. ALPHA ATM system is designed to enable flight data processing, airspace management, and direct air traffic services.

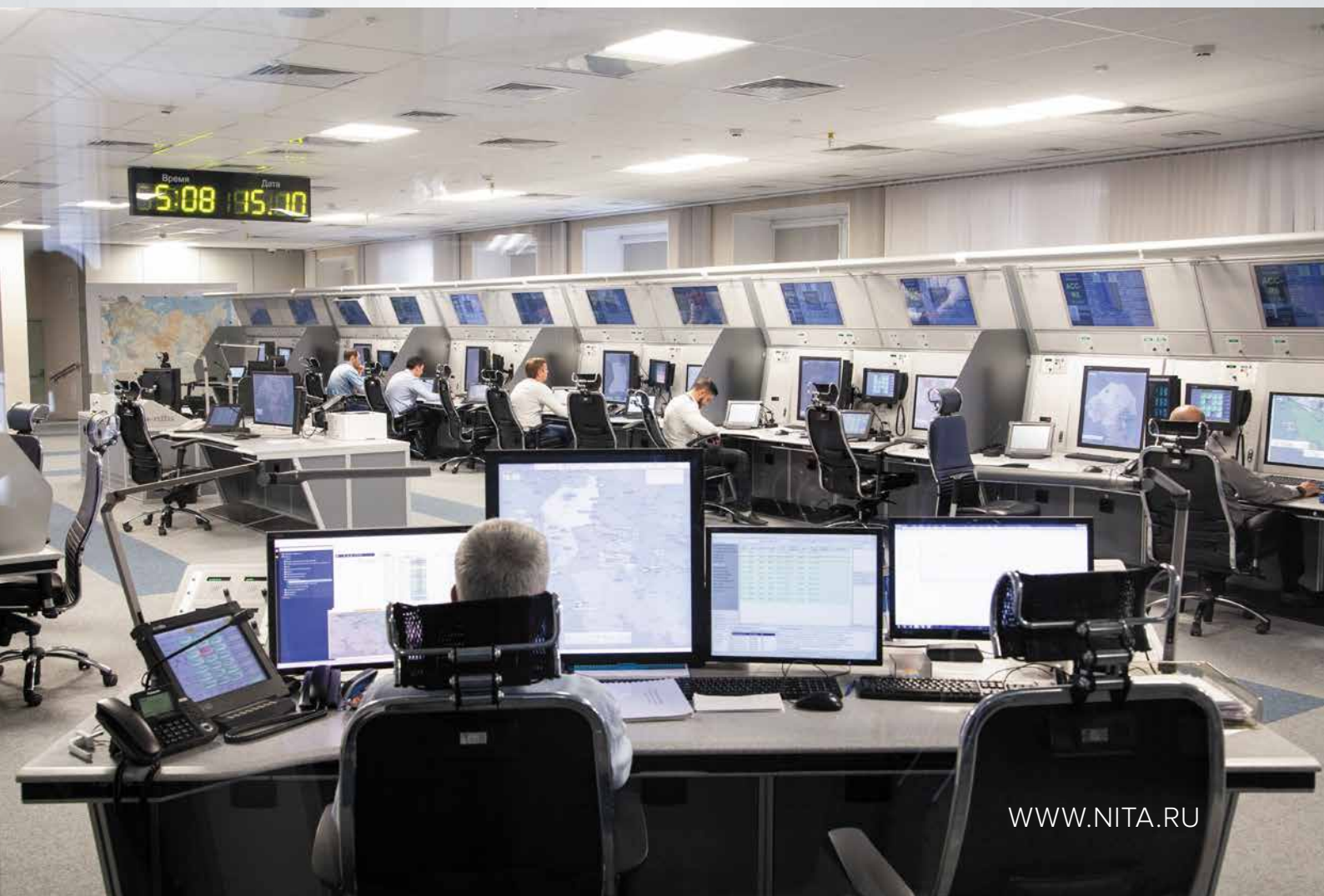
The subsystems of ALPHA ATM system are based on unified products of in-house design that enables configuration at any level of complexity within the shortest possible time to be adapted for the statement of work requirements for particular system, to provide further extension and modifications.

The system uses general-purpose hardware and computers produced by the leading global manufacturers, LINUX operating system, application software of in-house design to ensure highest level of automation and reliability. The computing system is based on fail-safe system units purposely designed for the ATM system; the hardware units and modules provide "quiet hall" mode of operation.

Built-in information security tools provide for data integrity and protection against unauthorized access in accordance with preset level of data security.

The system is provided with interfacing to numerous data sources to collect information of air traffic, and weather, to be connected to communication and data transmission networks, etc. The process of communication between adjacent and departmental complexes and systems is automatic.

The ALPHA ATM system meets the highest requirements, is highly competitive with up-to-date foreign counterparts, and exceeds them in respect of some components. The system ensures high level of safety of flights for the territory of several million km square, and is operated by consolidated ATM centers of the Russian Federation.



NITA is one of the leading suppliers of air traffic management solutions in Russia. For more than 35 years, our company has been implementing advanced and innovative technologies in the field of air navigation industry.

We have several thousand projects in our portfolio, ranging in complexity from equipping small airfields to ATM solutions for consolidated ATM centers under the Federal Task Program of Unified Air Traffic Management System Modernization in Russia. The hardware and software systems produced by NITA are operated in more than 380 aviation companies in Russia and other countries; 60% of airspace of the Russian Federation is controlled by the systems manufactured by NITA.

The equipment design complies with the requirements of the ATM regulatory documents of the Russian Federation, and with ICAO and Eurocontrol standards and recommendations, and conforms to the highest level of ATM system automation.



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