



ALPHA

AIR TRAFFIC MANAGEMENT AUTOMATION SYSTEM

NITA offers complex solutions for ATC centers with medium and high air traffic intensity. ALPHA ATM Automation System is designed to settle flight data processing, airspace management, and air traffic service tasks.

ALPHA ATM Automation Subsystems are based on proprietary certified series-produced multi-purpose complexes enabling configuration settings of any degree of complexity, adjustment according to the requirements of specification for particular system, and further extension and modification within the shortest time possible.

The system uses COTS hardware and computers by leading global producers, LINUX operating system, application software of in-house design to provide highest level of automation and reliability. Computer complex is based on fail-safe system units purposely designed for ATM automation systems; hardware units and modules provide “quiet hall” operation mode.

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

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

ALPHA ATM Automation System meets the highest requirements. Being competitive with up-to-date foreign counterparts it even exceeds them in certain respects. The system provides high level of flights safety for the territory of several million square kilometers being operated by consolidated ATM automation centers of the Russian Federation.

