

ALTIR

Aircraft maintenance planning application

Purpose, Scope

Application «ALTIR» is designed to plan the maintenance of aircraft and their components in accordance with operating time and regulations of maintenance of airline.

The application can be used by engineers of planning and control departments of aviation companies, as well as by staff of other companies serving the aircraft fleet, to monitor status of aircraft and to plan service.

Target functionality

- Aircraft, engine, APU flight time accounting
- Component database. Component flight time accounting
- Component statuses
- Wheel repairing database
- Maintenance planning
- Maintenance database
- Reports:
 - of Aircraft, engine, APU and components flight time
 - of performed maintenance
- Selection of:
 - tasks and forms of maintenance by execution interval and date
 - components by resource residues and service life

Base functionality

- User administration
- View or edit mode
- Logging data changes
- Import / export to *.xls format
- Data backup
- UI localization support
- Appearance customization

Technical advantages

- 1. Application interface is designed as typical tables to facilitate transition from file-based aircraft maintenance to centralized.
- 2. Functionality of application allows to perform batch creation and modification of components, forms and tasks of several aircrafts.
- 3. Multiple database support.
- 4. Cross-platform application (Windows, Linux, MacOS).

Administrative advantages

- 1. Reduction of laboriousness* at:
 - Aircraft components and maintenance tasks accounting
 - 2) Maintenance planning
 - 3) Reports generation

- over **75** %
- over **50** %
- over **90** %
- 2. Reducing the number of errors and increasing the relevance of information about the state of the fleet.
- 3. Centralized data storage and, consequently, increasing data security and manageability.

Specification

The application built on client-server architecture.

Supported databases:

✓ MySQL

✓ Firebird

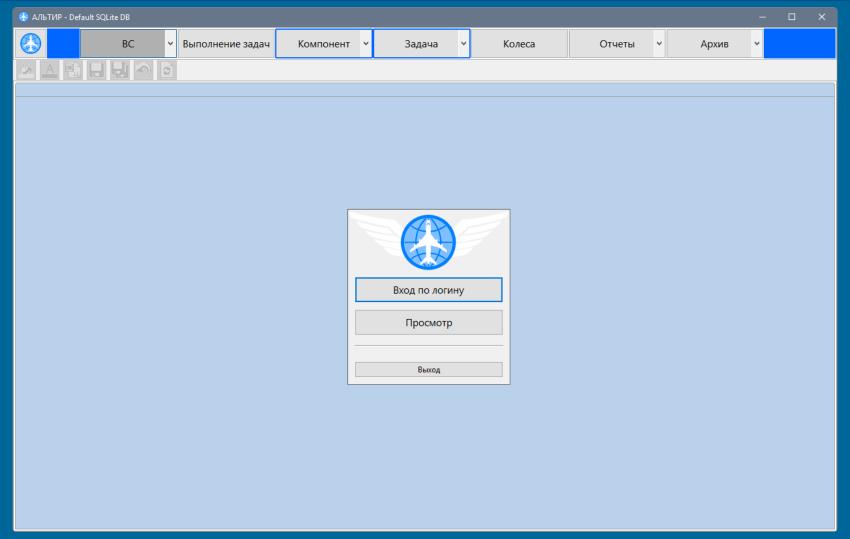
✓ PostgreSQL

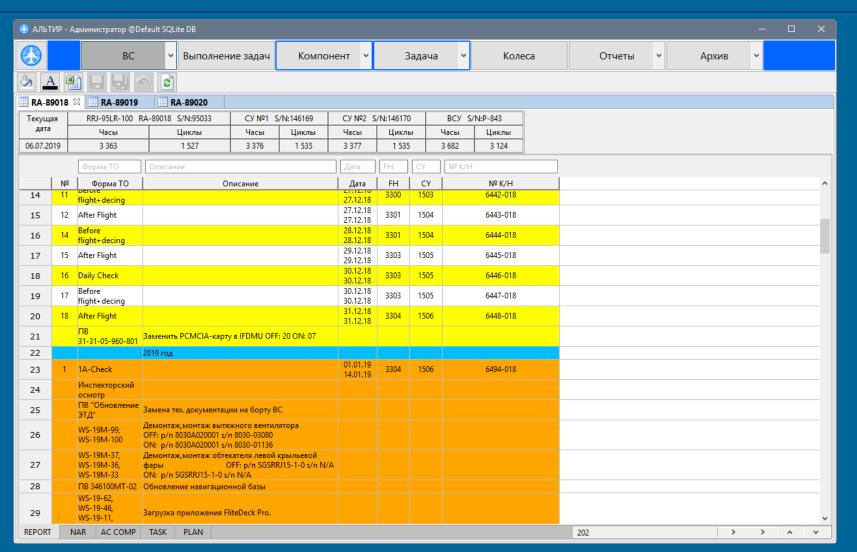
✓ Red Database

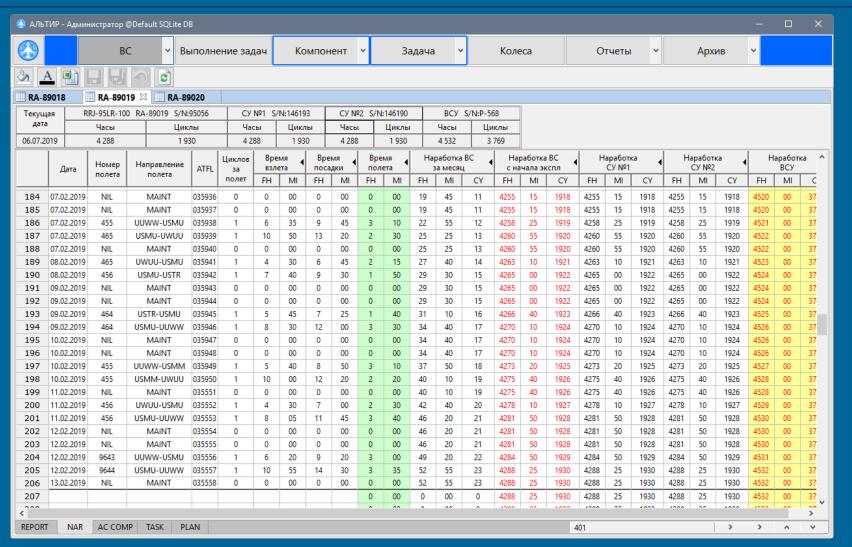
✓ SQLite

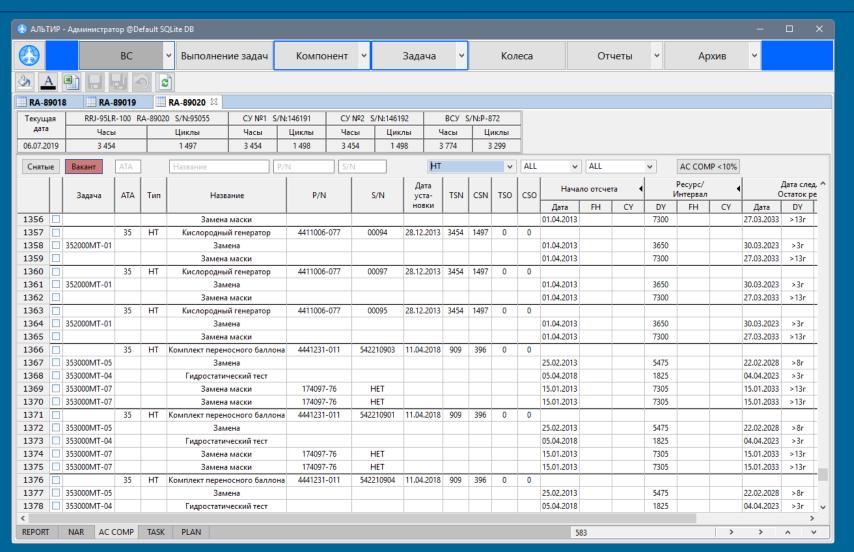
System requirements:

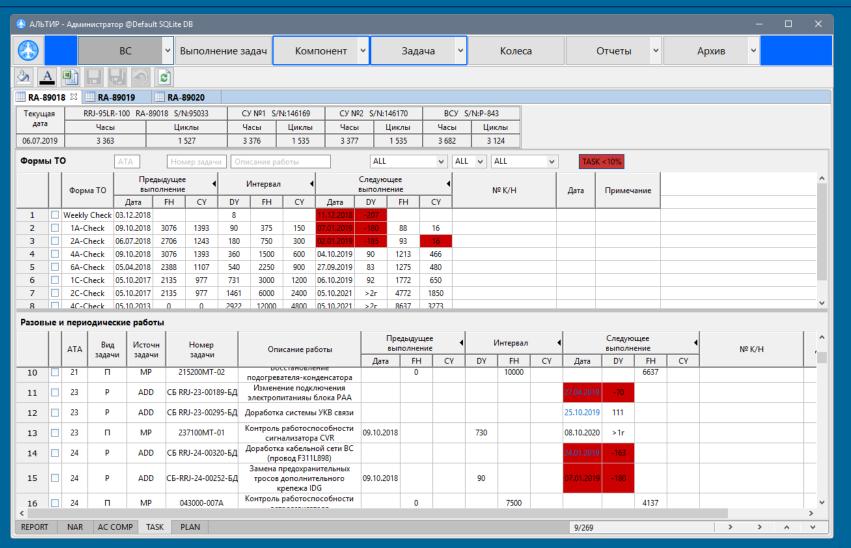
- Screen resolution of at least 1024 * 768 pixels.
- Operation system Windows, Linux or MacOS X.
- Installed Java virtual machine with support of Java SE 8.
- Free space in ROM: 500 Mb or more.
- Free space in RAM: 1 Gb or more.

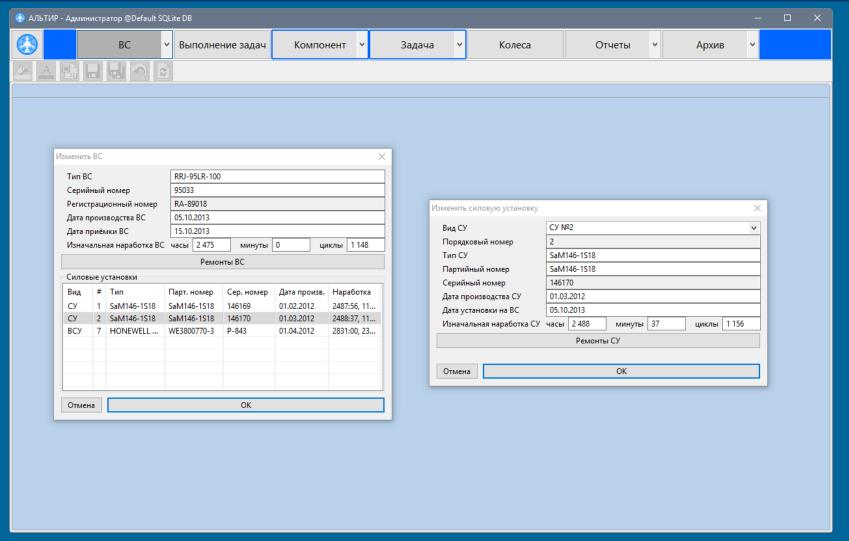


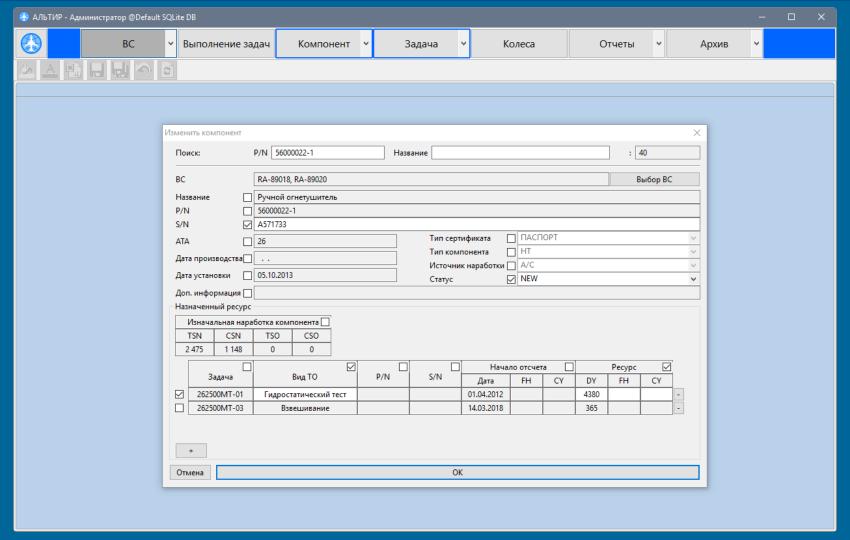


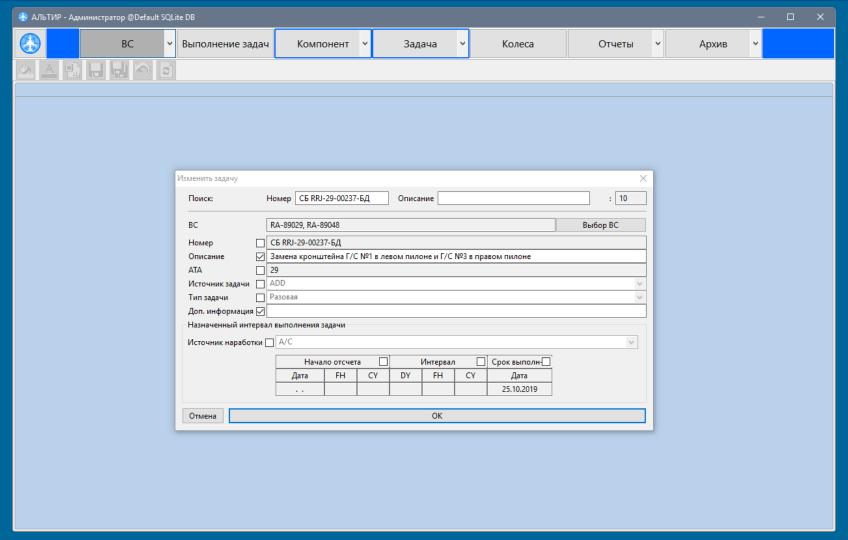


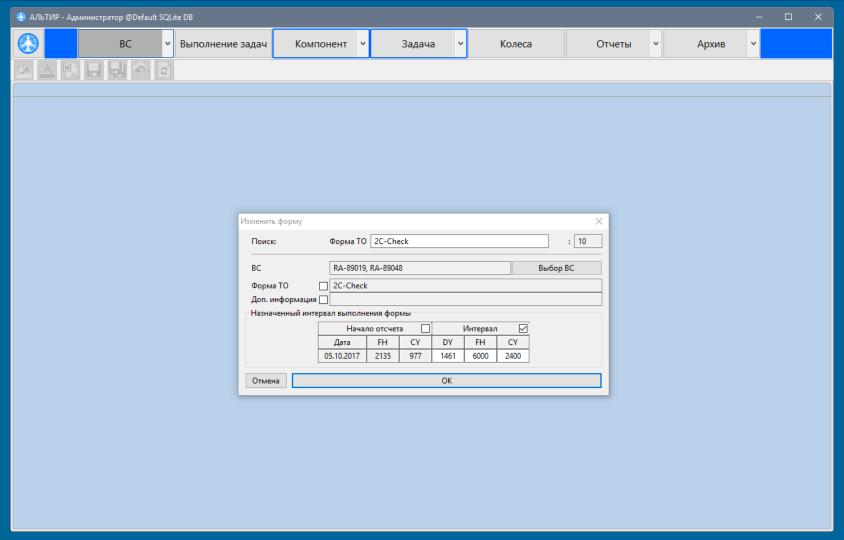


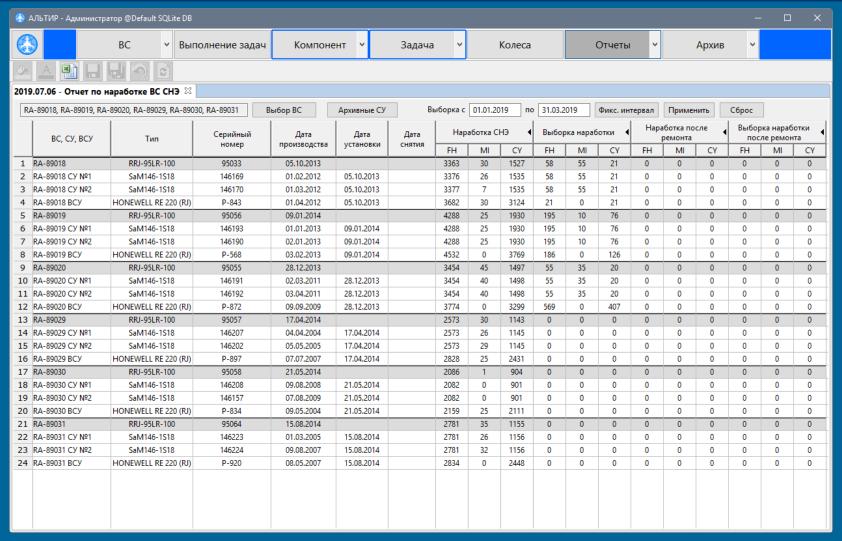


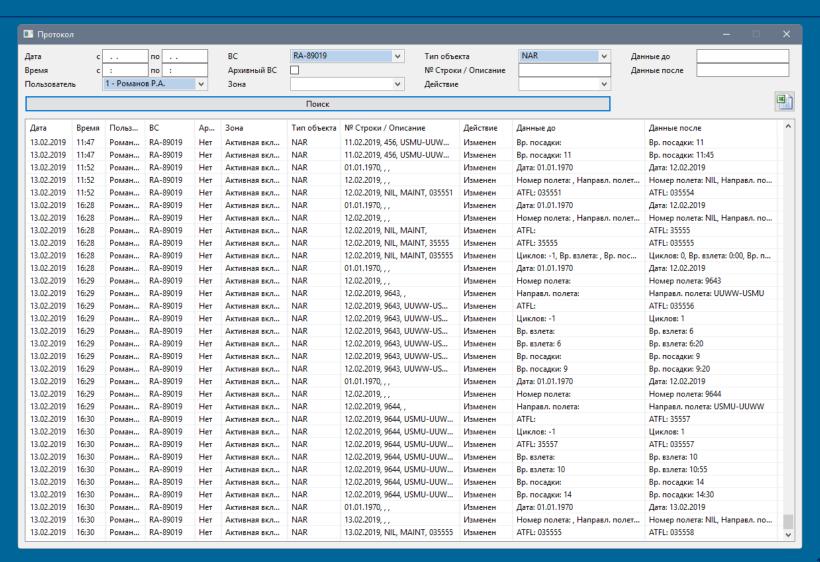












Development

- ALTIR-Migration utility:
 - data import/export
 - cross-DB data transfer
- Support of DB with paid licenses.
- Localization extending.

Thanks for attention !

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altir.info/

ALTIR @ 2019 v2