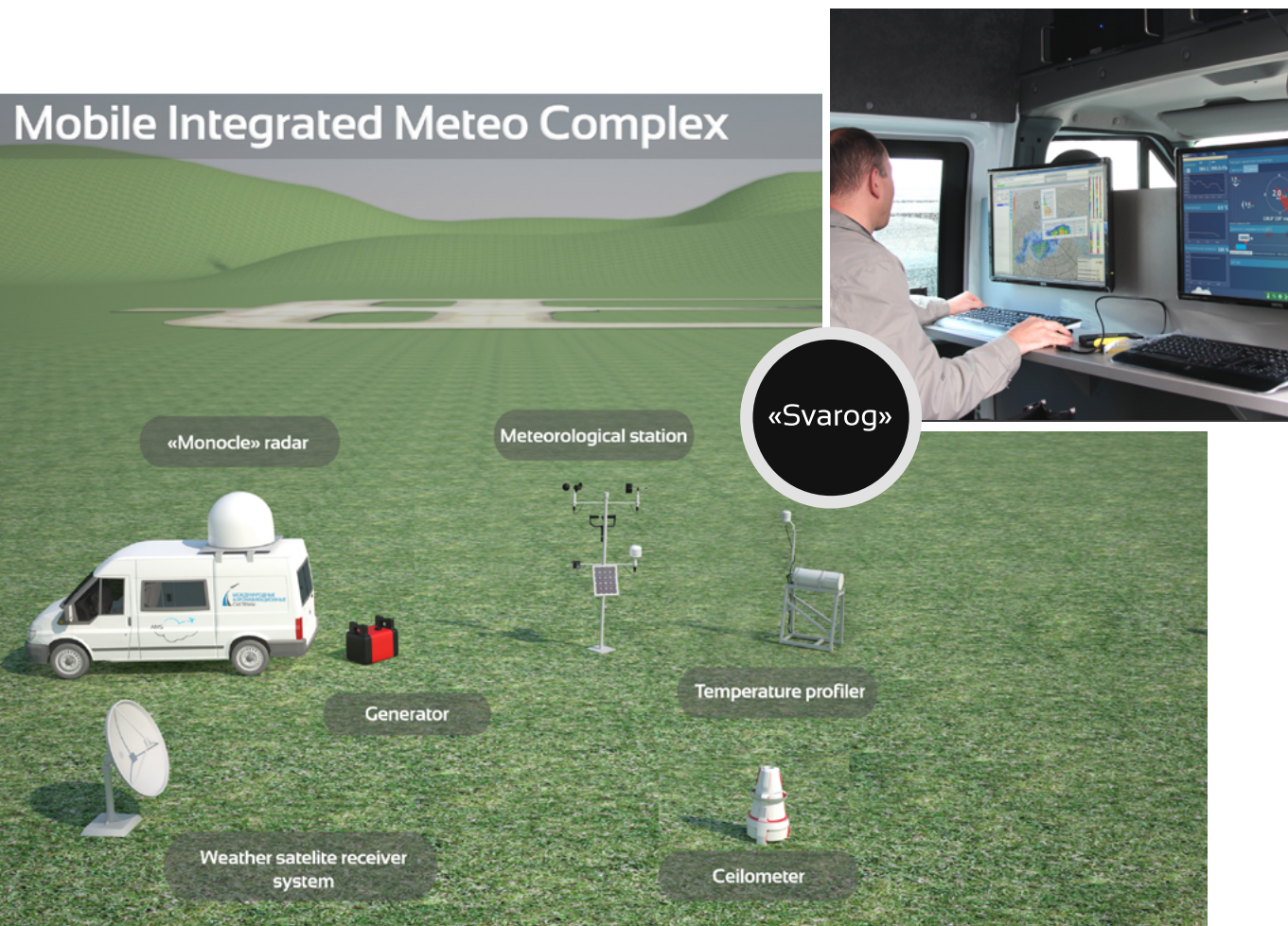


Mobile Integrated Meteo Complex «Svarog»

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Mobile Integrated Meteo Complex



For the first time in Russia, all available meteorological information is being gathered, processed and displayed in a form, convenient for the user, on a measurment site.

Purpose

Mobile Integrated Meteo Complex «Svarog» is a mobile meteorological and radar information measuring facility designed to provide meteorological information for meteorological services and meteorological departments of civil aerodromes, as well as other for users of meteorological data.

The Complex includes:

1. Unmanned automated meteorological station;
2. Meteorological Navigation Radar Station for Airdrome Adjacent Area («Monocle-100»);
3. Temperature Profiler;
4. Ceilometer;
5. Multifunctional meteorogical complex «MITRA»;
6. Gasoline power generator;
7. Automated workstation of multifunctional radar operator;
8. Automated workstation of unmanned automated meteorological station operator.



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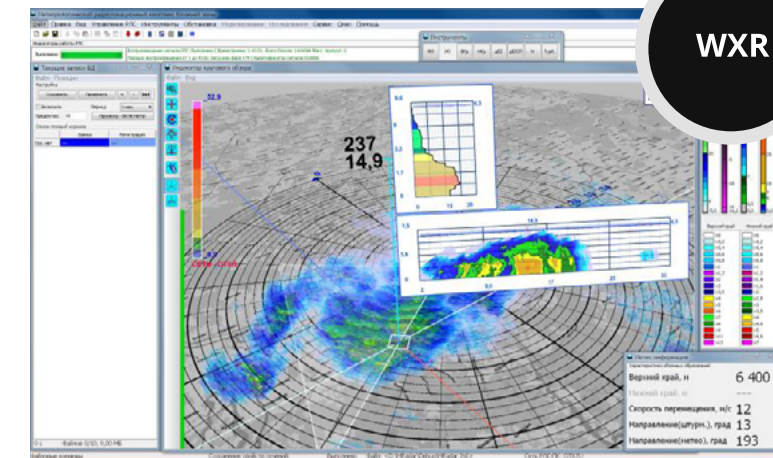


The Complex solves the following tasks:

1. Measuring and displaying atmospheric parameters: wind speed and direction, atmospheric pressure and relative humidity of air;
2. Measuring atmospheric transmissivity and calculating meteorological optical range;
3. Measuring cloud height;
4. Measuring rainfall, temperature and soil moisture, snow density;
5. Detection while reviewing in circular, sectoral and raster mode of: zones with dangerous weather phenomena; their physical and spatial characteristics; clearance distance to dangerous weather phenomena affecting aviation safety;

«Svarog»

6. Registering lightning discharges (azimuth, range) from cumulonimbus clouds at 100 km distance;
7. Transmitting and receiving measurement results in meteorological codes, including those of spacecraft; automatically filling in weather journal and service documents;
8. Automatically processing and analyzing hydrometeorological information, forecasting meteorological conditions;
9. Documenting and archiving information.



WXR



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