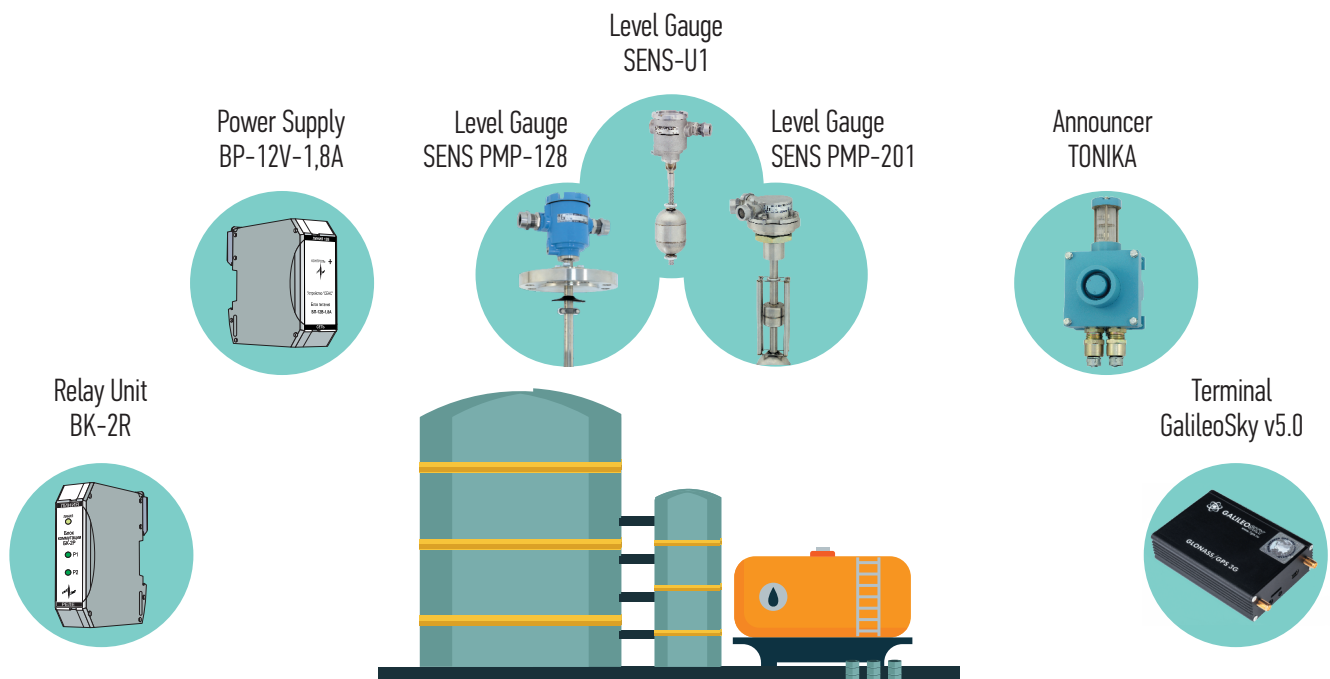


System Purpose:

- increased storage process management efficiency due to on-line information about stored petroleum products quantity;
- ensuring site safety due to automatic pumps deactivation function in case of tank overfilling and personnel warning.

System Components:

- level gauges SENS PMP-201, SENS PMP-128, SENS U1;
- power supply BP-12V-1,8A;
- relay units BK-2R;
- announcer TONIKA
- satellite monitoring terminal GalileoSky v5.0
- monitoring system Wialon



System Operation:

The level gauges may be installed at vertical and horizontal tanks for petroleum products

The instruments are connected serially using three-wired line of power and communication SENS, the system is powered by 110–240V AC voltage, 50–60 Hz frequency.

The level gauges continuously measure level, temperature, density, volume and mass of petroleum products in the tanks and send the data to satellite monitoring terminal GalileoSky v5.0.

The terminal send the data on fuel parameters to the satellite monitoring system Wialon.

The user of satellite monitoring system gets pictorial view of stationary tanks location and information on petroleum products status.

The relay units produce signals for pumps deactivation and/or sound alarm activation according with the configured settings upon reaching of petroleum products level in the tank, above or below the value that was set.

The information can be sent to any SCADA system using standard Modbus RTU protocol.

Satellite monitoring system can be accessed via PC web application, as well as Android and iOS apps.