Automated stationary structural health monitoring system is a subsystem of the distributed engineering structures monitoring system, which has been developed in compliance with the applicable standards. The system is intended for the prevention of the controlled facility transition into partially operational or ultimate limit state.

Structural health monitoring system is implemented at a variety of engineering facilities types: high structures, dams, bridges and tunnels, large sports facilities, dilapidated structures and facilities.

SHM is represented by a set of sub-systems used for the control of various parameters in real-time mode.

- Seismic impact level control
- Foundation subsidence control
- Tensile and compression condition monitoring
- Building tilt monitoring and bearing structures displacement control
- Natural oscillations and damping ratio control