

Z E T L A B

STRUCTURAL HEALTH MONITORING SYSTEM

Subsystem of the SHM system



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



The leading manufacturer in the territory of the RF. The Company was founded in 1992 on the basis of the Special Design Bureau of the Federal State Unitary Enterprise of the All-Russian Scientific Research Institute of Physical, Technical and Radio Measurements (SKB FSUE "VNIIFTRI") which is the most important unit of the national measurement uniformity management system.

