



Automatic measuring system geosurvey in monitoring displacements

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In order to ensure the safety of an object and its surroundings, it is necessary to perform geodetic monitoring of its technical condition. The monitoring should satisfy high accuracy, reliability and frequency requirements. Realization of all these needs was possible thanks to automation of all elements of the measuring system and especially for this task was the GeoSurvey designed. It makes it possible to have remote control over selected motorized Leica measurement devices, gather and analyse data as well as generate various graphs or analytical reports. Almost continuous information about deformation of the characteristic points of measured object is available. The system was put to field test which proved that GeoSurvey improves reliability of geodetic observations and significantly facilitates data processing. Frequency of collecting data allows for early reaction to hazards on measured construction.