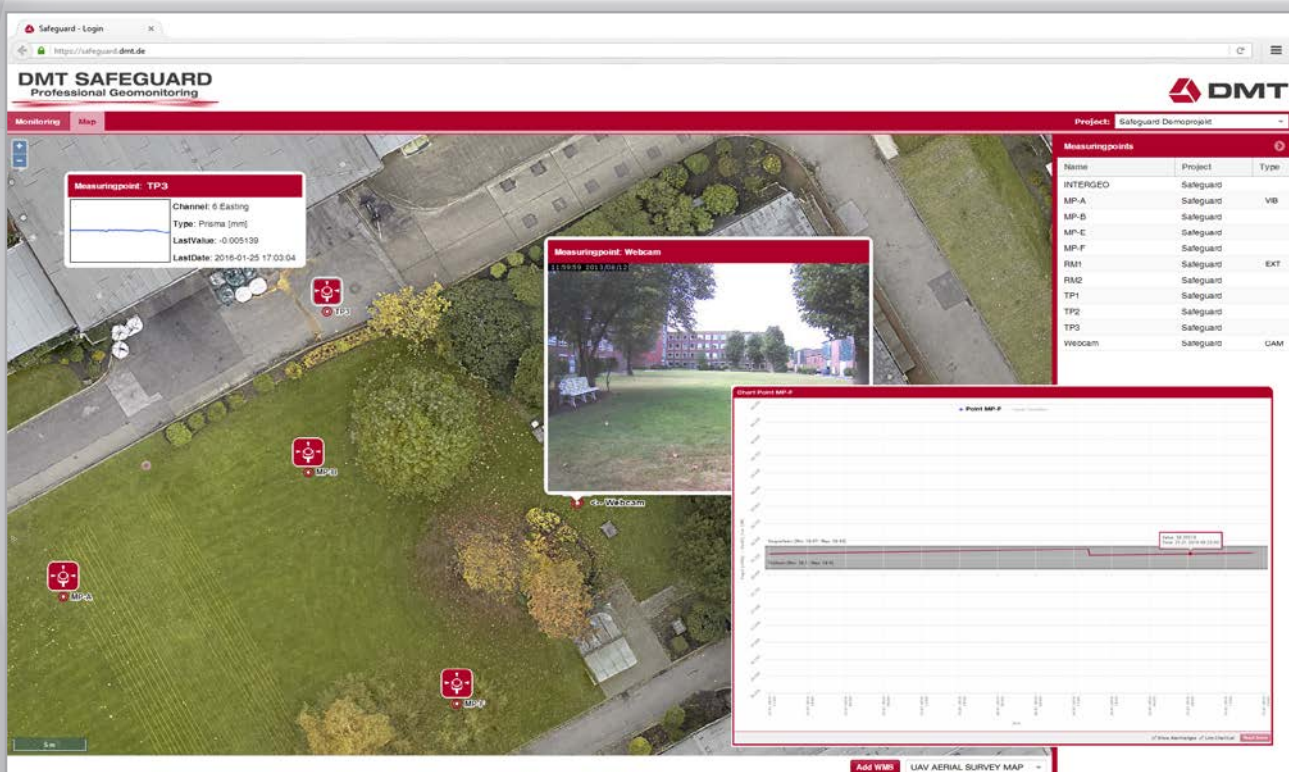


## DMT SAFEGUARD 2016 Professional Geomonitoring

Whether your task is related to vibration monitoring, ground movement measurements, documentation of deformations or determination of geotechnical parameters - the latest version of our proven monitoring system DMT SAFEGUARD supports in all areas and phases of your project.



DMT SAFEGUARD 2016 reliably and securely manages sensor data and equipment, enables customized and automated analysis of your project's monitoring data and presents the latest status and full result reports via a user-friendly, easy to access web-based interface.

### SAFEGUARD 2016 – proven and further optimized:

- SAFEGUARD 2016 user interface for a clear and informative project overview
- QUICKVIEW data charts for rapid visualization of large amounts of monitoring data
- GIS maps including LIVE icons for an intuitive overview of the monitoring status
- CONTROL CENTER for user-friendly online configuration of the project
- Improved software and hardware architecture for maximum reliability and performance based on professional SQL Database architecture

**DMT SAFEGUARD 2016 enables monitoring hazardous situations in a reliable and efficient way and supports you to solve most complex monitoring tasks.**

## References

### ▪ **Cologne Fire Brigade (D)**

Multi sensor online monitoring during recovery and reconstruction of collapsed subway tube at the Cologne archives; Integrated measuring devices: groundwater levels, total stations, crack meter, inclinometer, vibration sensors, temperature and humidity sensors

### ▪ **Thuringia State Authority for Environment and Geology (D)**

Permanent online multi sensor network for monitoring of sinkhole sites in the cities of Schmalkalden and Tiefenort; Integrated measuring devices: borehole extensometers, sinkhole level, borehole geophone, webcams, microphones

### ▪ **Oranjewoud B.V. (NL)**

Geodetical and geophysical online monitoring of historical buildings during waterfront construction works in the Netherlands; Integrated measuring devices: total stations, crack meter, vibration sensors, temperature and humidity sensors

### ▪ **LMBV mbH (D)**

Combined monitoring with total station and GNSS of dump slopes at a former lignite coal mine site in Nachterstedt; Integrated measuring devices: total stations, GNSS, temperature and humidity sensors

### ▪ **G. Hinteregger & Söhne (AT)**

Measurement of sound and vibrations caused by tunnel driving; Integrated measuring devices: vibration sensors at surface and in the tunnel tubes, noise sensors

### ▪ **Waterways Construction Office Datteln (D)**

Geodetical and geophysical monitoring during reconstruction work of the old Gleesen watergate at Ems river; Integrated measuring devices: total stations, gate water levels and groundwater levels, temperature and humidity sensors

### ▪ **Wirtschaftsbetriebe Duisburg – AöR (D)**

Geodetical deformation monitoring of railway tracks; Integrated measuring devices: total stations (> 500 observation point), temperature and humidity sensors

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