

- Real time data
- Interactive adaptation
- Customised view

GeoMonitoring

More information. More safety.

Custom-made services utilising the novel
Amberg GeoMonitoring System.

Amberg GeoMonitoring

Reliable. Flexible. Safe.



Foundation pits, bridges, buildings, tunnels or the environment – Amberg GeoMonitoring offers you the highest measure of safety and economy thanks to first-class service and the utilisation of innovative technology.

In the planning phase, during construction, or for permanent monitoring, we support you with concepts, delivery, operation, analysis and interpretation: In every project phase, Amberg GeoMonitoring provides you with a solution suited to your needs in regard to object monitoring.

It's your choice Simple or comprehensive monitoring

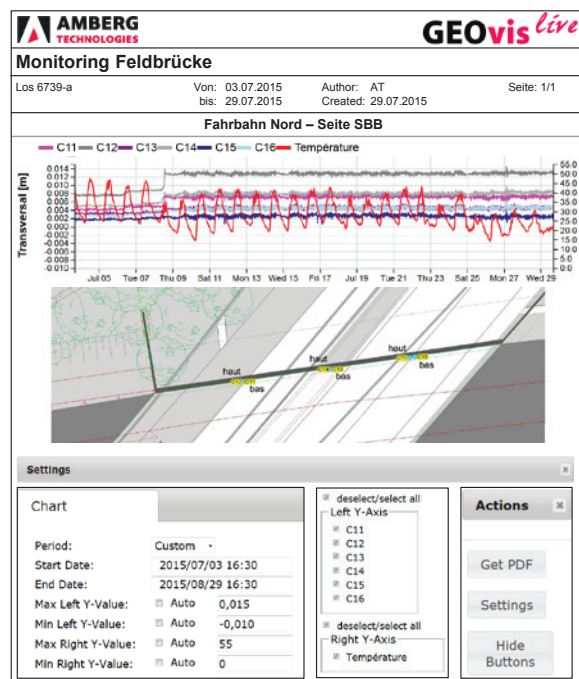
We can support you individually in dependence on the application case and the hazard scenario with simple measurements or fully networked, automatic monitoring systems. Because of the modular system architecture, the GeoMonitoring Network can easily and quickly be adapted to changing project requirements. This saves time and costs as well as securing the necessary information for decision makers in every project situation.

Don't take any risks Guaranteed reliability lets you sleep well at night

- High failure safety through redundant design
- Fully automatic self-monitoring of the system
- Well-engineered communication technology for safe data transmission
- Bridging of power failures thanks to integrated UPS
- Intelligent power management, now also with solar power

Seamless security Decisive information around the clock

- Scalable alerts via phone call, text message, pager, e-mail, optoacoustic signals, etc.
- High accuracy through automatic network balancing
- Intelligent plausibility testing
- Event development thanks to seamless data history
- Easy interpretation of the graphical data
- 24/7 On-call service
- GEOvis web portal for password-protected online access to data and information with any computer or with a smartphone when on the go
- Real time access to your data
- Charts interactively adaptable by the user





Amberg GeoMonitoring Custom-Made Services

Independent of sensor type Individually adapted to suit your needs

- Flexible for the connection of numerous sensors
- Calculation of virtual sensors (e.g. track twisting)
- Combined evaluation of various sensors

Sensors	
Totalstation	Crack measurement
GPS/GNSS	Water pressure, pore water pressure
Laser scanner	Water level, water flow
Auto level	PH measurement
Radar interferometry	Water turbidity
Vibration	Temperature, humidity
Inclinometer	Air pressure, wind speed
Extensometer	Solar radiation
Tension/expansion	Webcam
Anchoring force	etc.

Do you already have your own inventory of specific sensor types? Our in-house software and hardware development department arranges project-specific adaptations or, using standardised interfaces, can also implement your sensor types in the GeoMonitoring network.

Your advantage Single-source service

- Installation within 24 hours is possible
- Everything from a single source: concept, consulting, instrumentation, measurement, evaluation, alerting, interpretation
- Short intervention times due to remote control

myGeoMonitoring – our package model Unique. Fast. Transparent.

Who hasn't experienced this: An unexpected event, high customer expectations, complex clarifications with monitoring suppliers, problems with availability – and, of course, everything under extreme time pressure.

myGeoMonitoring – the proven package model for Amberg GeoMonitoring partner companies makes it possible for you to calculate the costs for a project yourself, both easily and quickly for the entire monitoring time period using the measurement concept as a basis.

A flexible package ranging from system leasing to comprehensive services. You define both your own and third-party work input.

Economical: Expensive investments and maintenance of measurement systems and software are eliminated. You always have state of the art equipment and only pay for direct project costs.

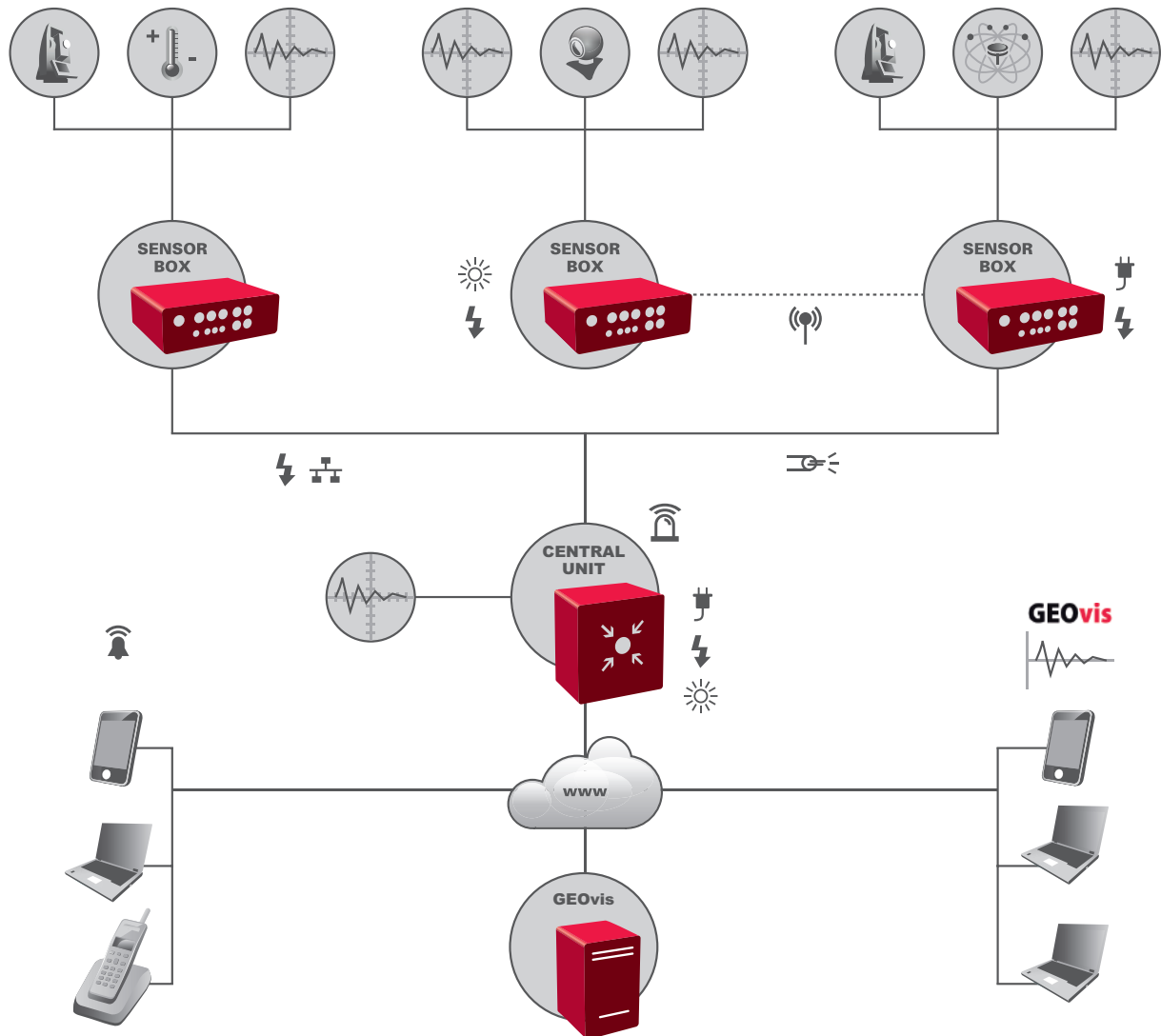
The Amberg GeoMonitoring Network

With the novel Amberg GeoMonitoring system, Amberg Technologies offers you the next generation of geomonitoring solutions.

- Scalable geomonitoring network: The modular structure guarantees high flexibility and economy for any project size and project phase.
- Sensors for almost any task: In addition to a broad standard range of geotechnical, geodesic and climate sensors,

further, specific sensors can also be integrated.

- Innovative data communication and high system security: Ethernet with power transmission, WLAN for long distances, fibreglass cable for electromagnetically sensitive environments or the integrated lightning protection all ensure high system availability yet at the same time low installation and maintenance costs.



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