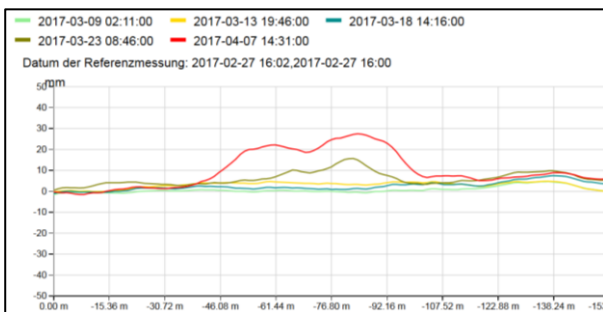


# Amberg TrackControl

## Seamless safety of railway tracks



## Amberg TrackControl

### Technical data

- Sensors:
  - Uniaxial and biaxial slope sensors
  - Temperature adjusted
  - Permanent Internet connection
- Measurement:
  - Recording of track superelevation (cant), twist, vertical versine and vertical settlement.
  - Minimal measurement interval: 1 min.
  - Accuracy:
    - +/- 0.5 mm Superelevation (cant)
    - +/- 0.2 ‰ Twist
    - +/- 1.0 mm vertical versine (basis of 9.6 m)
    - +/- 3.5 mm vertical settlement (Measurement chain of 56 m)
- Visualisation
  - Real-Time visualization of the results on web platform Amberg **GEOvis**
  - Opportunity of data export into other online portals

### Applications

- Construction sites in track area
- Railway tracks in critical areas (e.g. landslide)

### Product overview

- The Amberg TrackControl Basic-Module has a length of 56 m and contains 48 longitudinal, 12 transversal slope sensors and optional 4 sensors for mast tilt measurements (biaxial)
- The Basic-Module can be expanded with maximum 5 Extension-Modules (56m) to monitor track sections with a length of approx. 340m.
- The height of start and end point of each module must be known for absolute results of settlement. (e.g. measured with GNSS or Total Station)

### Customer benefit

- Highest reliability – No dependency on weather conditions (e.g. snow, fog, rain, etc.)
- Readings in 1 minute interval
- Efficient and flexible installation
- Low operating costs
- 24/7- monitoring and alarming