Amberg Profile
Profit from profile measurement
Amberg Profile creates meaningful reports with ease

Today, the recording of profile measurement data is integrated directly into the process of tunnel construction as standard procedure for all tunneling projects. The main requirements for profile measurement include easy operation of the instruments by the surveyor or the tunnel team and simple, relevant analysis functions. After the profile data has been recorded in the tunnel, they need to be managed and refined. Amberg Profile transforms your surveying data into simple, meaningful and relevant reports – regardless of the instrument used for data collection.

**Amberg Profile – Profit from profile measurement**

It has never been easier to transform tunnel measurements into reports. The Amberg Profile office software is able to transform the measurements from total stations into reports tailored to meet your needs. A seamless workflow is guaranteed by using Amberg Navigator or Amberg Applications for making the measurements. This ensures trouble-free data transfer of measurements from the tunnel into the office, but also vice versa (e.g. for layer thickness analysis).

**Why Amberg Profile?**

- The software package is tailored to your needs in terms of profile analysis
- Quick results for surveying and frequently repeated tasks
- Full 3D calculations also support complex projects such as power plant and power station construction
- Flexible report generation for project-specific requirements

**Operative benefits for the client**

- Fully integrated work procedure and data flow with Amberg Navigator and Amberg Applications
- Independent from the instrument thanks to a flexible interface and the support of many standard import formats
- Use of the design data for numerous other Amberg applications
- Generation of reports, such as with TMS ProfiT, for a software changeover during a currently running project

**Economic benefits for the client**

- The use of Amberg Profile reduces the number of software packages involved in the work procedure, which brings cost savings for licenses and a reduction in the amount of training that is required
- The simplified data flow significantly reduces the effort and processing time required between the measurement and the delivery to the client

**Tunnel product portfolio**

Amberg Profile complements the Amberg Tunnel product portfolio ideally and guarantees trouble-free exchange of data with existing Amberg products.
Amberg Profile – For effortless analysis

**Project definition:**
Amberg Tunnel

- Fast and easy definition of complex tunnel geometries with direct graphical feedback
- Flexible data transfer from Amberg TMS and third-party suppliers
- Export to Amberg Applications 6.0 for fully integrated 3D analysis

**Profile measurements:**
Amberg Navigator or Amberg Applications

- Measuring with Amberg Applications 6.0 as an onboard total station solution requires no additional hardware
- Measurement with Amberg Navigator on a tablet with intuitive operation
- Every task can be called up by the tunneling crew at the tap of a finger

**Analysis:**
Amberg Profile

- Data import of absolute coordinates is independent of the manufacturer thanks to a flexible ASCII import feature
- Analysis of profile measurement data for as-built comparisons (e.g. recording the actual state)
- Analysis of profile measurement data for meas. vs. meas. comparisons (e.g. layer thickness measurements)
- Visualization of the results in 3D for fast interpretation
- Flexible report generation based on project-specific requirements
- Comprehensive graphical and numerical analysis options

**Reporting:**
Amberg Profile

- Transform your profile measurements into relevant reports quickly and easily – all tailored to meet your needs.
Analysis has never been so easy!

- Visualization of the results in 3D for fast interpretation
- Fully integrated work procedure and data flow with Amberg Navigator and Amberg Applications
- Flexible report generation based on project-specific requirements
- The software package is tailored to your needs in terms of profile analysis for tunnel construction
- Independent of the measurement instrument thanks to a flexible interface and the support of many import/export standard formats
- Transforms profile measurements into relevant reports, quickly and easily

SWISS EXPERTISE – IMPLEMENTED WORLDWIDE

Whether it’s a subway tunnel in London, the Gotthard Base Tunnel in Switzerland or the world’s largest sub-sea road tunnel in Norway: Construction and maintenance projects of this kind are the ideal platforms for the high quality, precision and efficient tunnel surveying systems from Amberg Technologies.

AMBERG TUNNEL – TUNNEL SURVEYING SOLUTIONS FOR PROFESSIONALS

With more than 35 years’ experience in the tunnelling surveying business and an established partner network with more than 30 partners around the world, Amberg Technologies is the leading provider of surveying solutions for underground projects. A high degree of automation, close cooperation with our customers and innovative products are the foundation for our success.