

AMBERG GROUP

Contributing to a
smart use of space



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smart use of space

**UNIQUE COMPETENCE
IN THE COMBINED USAGE
OF UNDERGROUND AND
ABOVE GROUND SPACE**



The Amberg Group is a unique knowledge, engineering and technology provider of logistics, constructions and infrastructures for smart cities, hubs and networks through innovative combinations of above and underground space usage.

Together with a network of strong, competent and dedicated partners, the Amberg Group delivers top quality services and products using cutting-edge technology. These products and services cover the entire life cycle of the infrastructures and all engineering and technology aspects in a digitalized manner.

The great synergy potential of know-how and innovation makes the Amberg Group the leader in this network. In-house developments, start-ups and JVs are the preferred methods for implementing new business models.

amberggroup.com





Your analysis and testing requirements

- Real scale test and prototype environment
- Analysis of construction material
- Training facility
- Unique location for your event

Our facilities and services

- Various test sites, test procedures and management
- Concrete and rock laboratory
- Training environment and syllabus
- Seminar rooms, event cavern and restaurant



*More about
the underground
future lab*

hagerbach.ch

V-S-H-
VersuchsStellen Hagerbach

Research infrastructure of
**NATIONAL
IMPORTANCE**



Your Underground Experts

- Rail tunnels including high-speed rail
- Metro lines
- Tunnel and shaft infrastructures
- Caverns with large cross sections
- Energy storage and utilities

Engineering at its best

- Amberg Engineering offers numerous services for your entire project cycle from feasibility, planning, and construction to renewal of your infrastructure.
- Trained specialists and experts in planning and design, geotechnics, and project management



Scan here to
see more about
our services



Infrastructure Experts

- Rail, Metro, Tunnel
- Underground space
- Mining and shafts

Systems and Solutions

- Slabtrack, tamping, mapping, survey and inspections
- Tunnel machine guidance
- Tunnel profile measurements and stakeout
- Undulation
- Layer thickness control
- Surface Inspection
- Geological prediction during tunnel excavation
- Surveying and data analysing & Maintenance



*Scan here to see
more about our
solutions and services*



Smart Cities and Construction Logistics Experts

- Manage stakeholders across the value chain
- Improve construction mobility in dense cities
- Unlock up to 50% true potential of assets
- Integrate circular economy into construction
- Use smart data throughout the supply chain

Solutions for Construction Sites

- End-to-end Digital Logistics Processes
- Rapid Prototyping and Smart Sensors (IoT)
- Logistics Concept and Manual (3D/ 4D)
- Integration of Logistics Data
- Logistics Insights Management (LIM)
- Construction Logistics Management (CLM)
- Management of External Hubs and Consolidation



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see more about
our services*



Digital Infrastructure Experts

- Data acquisition and processing
- Monitoring
- Measurement of geotechnical tasks
- Maintenance and operation
- Process optimization and digital continuity

Solutions and Services

- Geo-Monitoring
- Mobile Mapping
- Geomatics
- Inspection Services
- Digital Construction



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more about our
solutions and services*



Design and Construction Experts

- Design and BIM integration
- Coordination between different disciplines
- Information workflow setup
- Facility Management and BIM integration
- Visualization

Services

- BIM Implementation and models creation
- Clash detection, Coordination, and Clash resolution
- Construction documentation and Shop drawings
- 4D simulation and 5D estimation
- Underground Utilities
- Laser scan to As-Built models
- IT Solutions – BIM integration with FM application



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see more about
our services*



The AI Agent as a Service for Construction Industry

- AI agent dedicated to the AEC industry
- Easy access to complex project information
- Helps to make confident, informed decisions
- Opens data silos, unlocks all content and uncovers context
- Effortless interaction with your most valuable asset – your collective knowledge

Solution and Services

- AI Agent as a Service
- Strategic Consulting and Training
- Development of tailored solutions



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solution and services*



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