# PROJECT REFERENCES

Within a short period of time, **TOMKIT** was able to successfully prove itself in numerous projects. As a highly scalable data platform, TOMKIT can accommodate any number of projects, all of which can be individually configured. A flexible authorization concept determines which access rules apply to the data for individual users or user groups. This ensures smooth collaboration between all those involved in the project, as they always work on the latest version. This allows clients to follow the construction process of the project directly in the web browser in real time.
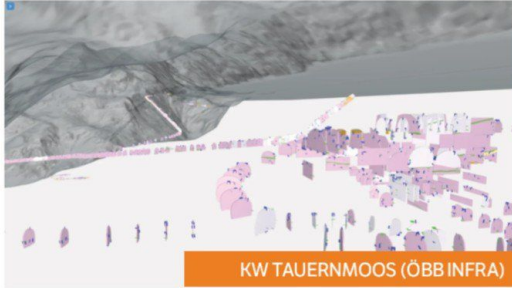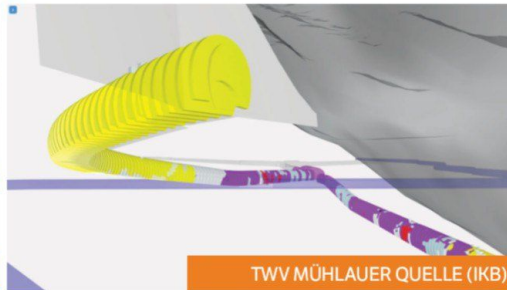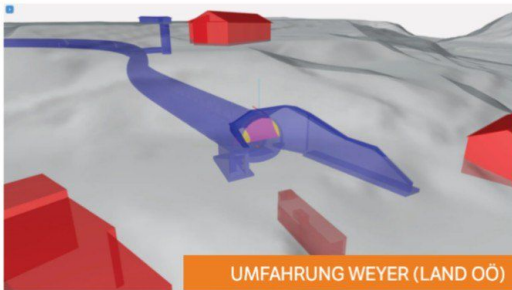
KW TAUERNMOOS (ÖBB INFRA)

KW OBERVELLACH II (ÖBB INFRA)

KW LIMBERG III (VERBUND)

TWV MÜHLAUER QUELLE (IKB)

UMFAHRUNG WEYER (LAND OÖ)

TOMKIT

There is still room for your project!

TOMKIT

Software designed for possibilities

BIM Ready

CALL - A DEMO PROJECT IS READY FOR YOU!

MODERN DATA PLATTFORM

Projekt Nr. 3 — Kraftwerk Tauernmoos
bau.desktop / geo.desktop / bau.mobile / geo.mobile

Projekt Nr. 4 — Kraftwerk Obervellach II
bau.desktop / geo.desktop / bau.mobile / geo.mobile

Projekt Nr. 5 — Kraftwerk Limberg III
bau.desktop / geo.desktop / bau.mobile / geo.mobile

Projekt Nr. 6 — Innsbrucker Trinkwasserversorgung Mühlauer Quelle

TOMKIT was designed from the ground up as a **modern data platform** in the cloud. The development was based on open source components in compliance with web standards. Access to the data is independent of the operating system via a **web browser** (Chrome, Firefox, Edge) and is controlled via predefined roles. This means that individual users can work independently on different projects at the same time.

MODULE TOMKIT.GEO

The **geological documentation** can be configured individually for each project. The individual geological parameters are adapted to the conditions directly on site. For the first time, the recordings can be freely defined in 3D space (e.g. cavern). Special queries allow geological data to be comprehensibly quantified and made available in the form of sophisticated reports, tables, siteplan and 3D models.

3D MODEL (BIM)

A high-performance **3D viewer** visualizes the stored data from geology, surveying and construction measures directly in the web browser at the push of a button. Data from planning or existing buildings can optionally be displayed. The export for further processing in other systems takes place via IFC (4.3) or GLTF. Geological or geotechnical decision models can be transferred directly to other BIM systems.

SITEPLAN

Using an integrated **WebGIS**, all recorded elements (rounds, measurement cross sections, drillings, ...) can be displayed with the current tunneling statuses on an interactive site plan. The integration of background data (orthophoto, buildings, drillings, sources, ...) can be configured individually for each project. Using an API, the current progress of the project can be passed on to external GIS applications for display.

MODULE TOMKIT.BAU

In addition to efficient data collection and evaluation, TOMKIT offers special functions for **controlling** and **calculation**. It is a web-based multi-user system that can be operated with a wide variety of devices (PC, tablet, smartphone). Monthly billing can be accessed using appropriate reports and queries. The billing models are exported either via CSV tables or IFC models (BIM).

MODULE TOMKIT.GTM

The measurement data can be imported from various file formats via import interfaces. The graphical evaluations generated from this offers the editor a quick and comprehensive overview of the **deformation behavior** of the tunnel. In addition to time-distance diagrams, vector representation, influence line diagrams and direct integration into a 3D geological model are available.

DATA ANALYSIS

A versatile **report generator** makes it possible to display the stored data in a clear, aggregated form. Special queries and pivot evaluations expand the spectrum of data analysis. External applications (e.g. Excel Power Query) can access the data directly and carry out corresponding real-time analyzes via a protected API (Application Programming Interface).

TUNNEL TAPE

A completely new developed **tunneltape** generator can display the stored data in a project-specific manner in the form of bar and line diagrams or intersection tracks along the the tunnel axis and render it interactively directly in the web browser. The result can either be exported in the neutral SVG format or in the industry standard DXF Format for further processing in external CAD programs.