







CONSTRUCTION WORKS

ALL INFORMATION IN ONE PLACE

Full data management is provided to the project team including:

- · Construction Progress / Schedule
- · Activities & Delays, Production Rates
- Quality of Works, Tests
- · Site Diaries & Photo documentation
- Various Site Documentation
- Measurement of Payment Items
- TBM Performance Data

The enhanced Statistics module allows evaluating of a wide range of data at a glance. Tunnel Supervision has been developed by Tunnel Engineers over the course of underground works ranging from minor rehabilitation works to significant

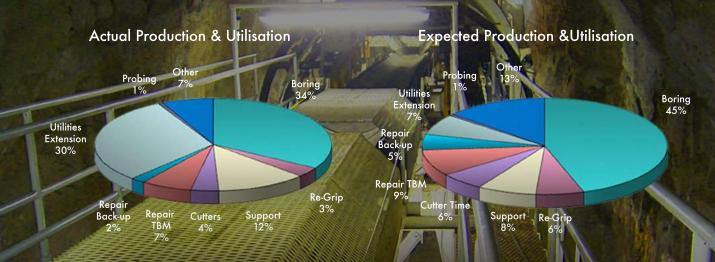
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mega projects.



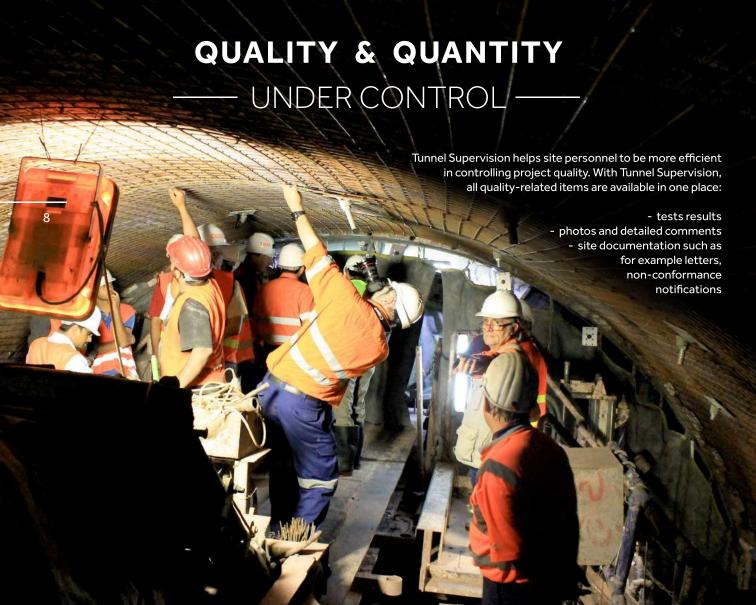
TBM UTILIZATION

ACTUAL & EXPECTED



Example of Production and Utilization Chart of a TBM. Similarly Activities & Delays are provided for conventionally excavated tunnels. P&U are automatically calculated within a user specified time period, for specific rock support and/or bore classes, or for other required parameters.

A comparison between actual and tendered values is part of a standard report.



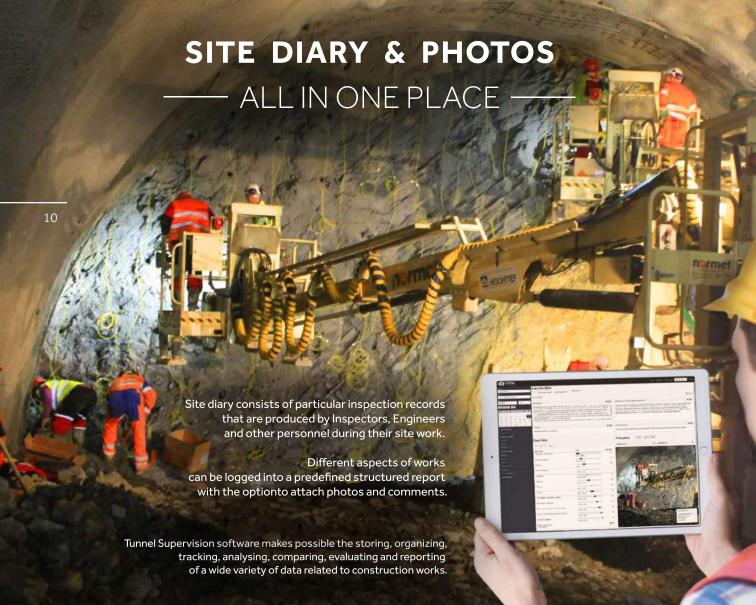


EVALUATING EVENTS

Understanding what actually happens at all times of the construction process is of critical importance to the management team. The timely awareness and evaluation of activities & delays is fundamental for correct decision-making. It is also a great advantage to be able to analyse construction productivity at any time in the past.



Tunnel Supervision helps to get all data from dark underground and reveal them at full light. It is a crucial source of information for claim management.





Construction teams can record, share and analyse information with use of Tunnel Supervision software in an efficient, comprehensible and reliable way.

Once Tunnel Supervision software is embedded in a project supervision quality is enriched; data and information sharing are boosted; construction schedule, quality and quantity of works are kept under tight control; delays are more quickly addressed and minimized. Consequently the

delays are more quickly addressed and minimized. Consequently the cost and risks of a project is reduced.



