

Building with experts as partners



# ROCKSOLID



The expert regarding high alpine and special civil engineering

The company HOCH- TIEF-BAU IMST GmbH in short "HTB" was founded in 1988. The employees of our company have long-lasting experience regarding high alpine engineering, special civil engineering and tunnel construction. The branches of the company HTB are located in Imst, Innsbruck, Wörgl (Tirol), Nüziders (Vorarlberg) and Bozen (Italy).

In the aforementioned branches, the company certified according to EN ISO 9001 currently employs approximately 250 local employees. As subsidiary of the Swietelsky Bau Ges.m.b.H., we additionally can resort to their resources when realising large projects. Technical know-how, flexibility, performance and innovative ideas are characteristic for the employees of our company.



Special solutions and rapid and on schedule executions adapted to every application are critical for the success of our company. With this, we can address the innovative challenges and quality-oriented requirements of our constructors. From inspection to implementation - we deliver everything from one source. We would like to send you detailed brochures and reference lists regarding the individual items of our business activities.

Visit our homepage at [www.htb-imst.at](http://www.htb-imst.at) containing numerous projects, photos and videos and get a comprehensive impression of our company.

## Principles of our mission statement:

- Consultation and support of the planners and constructors before and during the execution of the construction works are our top priority.
- By constant contact with our suppliers and partners we guarantee flexible cooperation with the constructor.
- By continuous training measures for our employees we provide maximum quality.
- By implementing innovative ideas and own patents we are always present and pioneering in many fields.
- By permanent observation of the market and technical innovations, implementation of tests, own developments and participation in technical discussions, fairs and exhibitions our knowledge is always state-of-the-art.



# Rock cavity engineering and mining



Tunnel construction  
Gallery construction  
Profile expansions  
Refurbishments  
Conventional headings  
Pressure lines  
Pits  
Caverns

Regarding tunnel and cavity engineering, the company HTB has comprehensive experience in the whole area of the Alps and employs highly-qualified personnel for all types of construction projects in the field of mining. From new construction to refurbishment - we guarantee high commitment as well as faultless and on schedule execution of the works.



# Anchoring works and borings



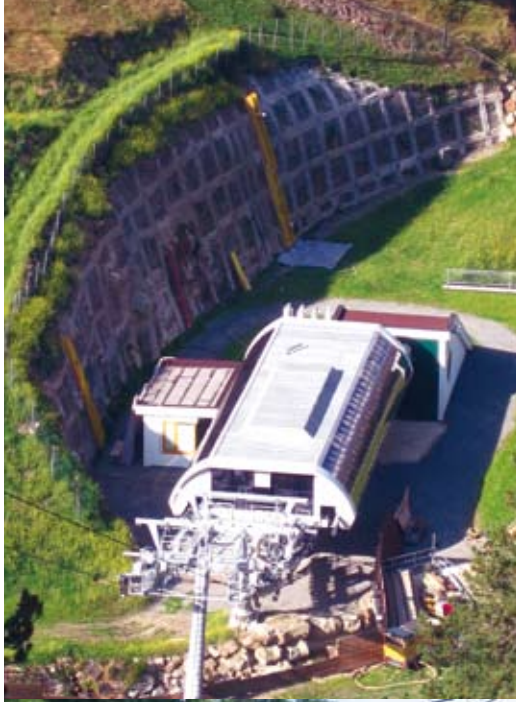
The company HTB rises to the challenge of anchoring and borings in all possible positions and dimensions with its specialised and experienced team all day and in all seasons and in compliance with all safety precautions. Special self-developed machines allow for the implementation of construction works in high alpine or inaccessible areas.

Injection boring anchor  
Thread anchor  
Permanent anchor  
Strand anchor  
Temporary anchors  
Geothermal energy boring  
Exposure boring  
Hammer borings  
Drainage borings  
Exploration borings





# Securing excavation pits and hillsides



Wood, steel and concrete anchor walls

Gunite nail walls

Securing hillsides with nets

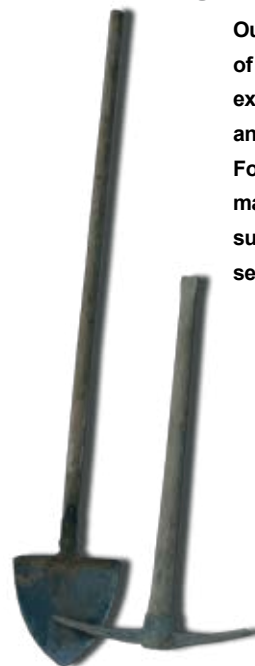
Rock removal works

Securing excavation pits with bored piles

Securing hillsides with supporting shells

Bulkheads

Securing heading in the field of mining



Our employees have pioneered in the development of the currently used methods for securing excavation pits and hillsides in the last centuries and patents were solicited for own inventions. For us the latest boring devices and construction materials are a natural precondition for successfully executed temporary or permanent securing measures.



# Securing rocks - rock removal - blasting technology



Securing with nets  
Anchor beams  
Rock removal works  
Blasting works  
Immediate measures  
Rock anchorings

Specially trained staff with the designed protective equipment, the proper machines and sufficient experience is necessary to implement blasting and rock removal works as well as securing rock. In the course of the years, the company HTB has gathered the necessary know-how in the field of blasting technology and has optimally trained personnel.





# Avalanche and rock fall control structures



Cable net dam  
Suspension bridges  
Snow protection net  
Avalanche protection nets  
Steel snow bridges  
Avalanche releasing systems  
Blasting tracks  
Blasting towers

The fields of avalanche and rock fall protection and preventive avalanche release are becoming more and more important, as we have to protect ourselves from impending natural disasters on the basis of the modified climate conditions and caprices of the weather. Whether GazEx-systems, blasting towers, blasting aerial railways, protective control structures, snow bridges or rock fall control structures –our specialists create security.



# Water supply and discharge



Cable laying  
Line construction  
Small power plants  
Elevated tanks  
Effluent elimination plant  
Water supply systems  
Water catchments  
Snowmaking lines



The professional supply and disposal of effluents is precondition for handling water in a sustainable manner. Our employees are especially trained to conduct the necessary measures professionally and to conserve the environment in doing so.





We realise eccentric ideas, daring projects or futuristic dreams - in terms of complex construction projects, we are the right partner to realise your ideas. Planning and executing diverse special projects and the implementation of many uncommon structures hurry ahead of our reputation as specialist company in every respect.



# Special foundations



On the basis of difficult ground conditions, special foundations are inevitable in many locations. By using the latest technologies such as pile foundations, bored piles, anchored foundations or ground compressions we found your structure and guarantee to put it on safe feet.

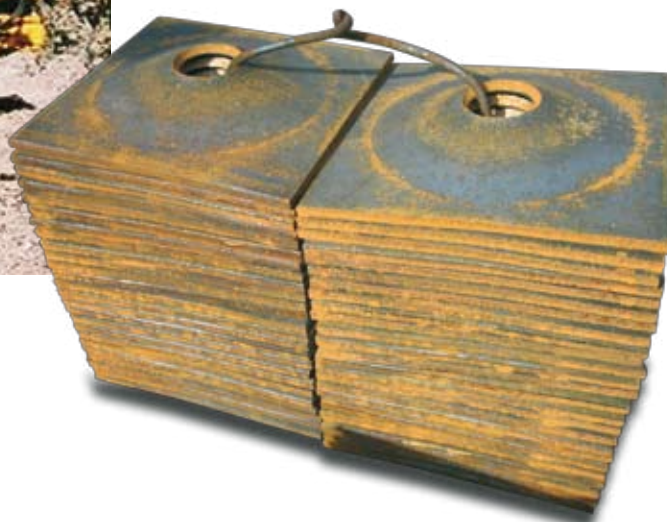
Large bored piles

Foundation piles

Micro piles

Anchored foundations

Ground jetting





Water catchments  
Pressure lines  
Open channel pits  
Power houses  
Dam systems  
Compensation basins

With the goal of sustainable energy policy in mind, we should continue pushing ahead the use of environment-friendly and natural resources for energy generation. Extending water power has to be the declared objective of private constructors, public customers and investors. With our specialist staff, the right partner supports you regarding the implementation of your projects.





# Event steep tracks - hiking trails



On the basis of our experience and numerous executed projects we have emerged as the specialist for spectacular event steep tracks with suspension bridges, fixed rope routes anchored in the rock and hiking trails. We can help you to open a unique panorama to your visitors, to let them get a real-life experience of the forces of nature and bestow them an unforgettable hiking experience.



Suspension bridges  
Climbing routes  
Projecting platforms  
Pits  
Lookout points



# Aerial railway, slope and snowmaking systems



Storage ponds  
Pump stations  
Snowmaking lines  
Mountain stations and base stations  
Control and supply lines  
Slope extensions  
Structures along the line  
Column foundation  
Skiing paths  
Slope corrections

In order to realise high-alpine aerial railway, slope and snowmaking systems, competent partners are essential. The company Hoch-Tief-Bau Imst is number 1 on inaccessible terrain and realises your ambitious ideas.





**Modernisation, renovation or refurbishment - we determine the basics, explore the reasons, develop damage diagnoses and refurbish your structures on a permanent basis.**

Pits

Apertures

Brickworks

Bridges

Structures above ground

Inlet structures







Greening hillsides  
Afforestation  
Wet seed greening  
Revitalisation  
Greened commercial networking  
Elimination of crop damages

Maintaining the natural characteristic landscape is top priority and essential for securing hillsides in alpine areas in a sustainable manner. That is why we employ specialists in the field of greening, planting vegetation and afforestation.







[www.htb-imst.at](http://www.htb-imst.at)



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