



Sweden  
Sverige



# Sustainable Mining in Sweden

Team Sweden Mining

A short introduction to Swedish mining  
opportunities and offerings

# Sustainable Mining in Sweden

Sweden covers part of the Fennoscandian Shield together with Norway and Finland, a mineral rich but highly underexplored region. The bedrock is similar to the Canadian, Australian, Brazilian and South African bedrocks. Active mines are located in the three main mining regions in Sweden, Norrbotten and the Skellefteå field in the Northern part of the country and in the Central parts near the Bergslagen region.

However, active projects are located throughout the country. The Geological Survey of Sweden offers a comprehensive support to prospectors with Europe's largest collection for drill cores and the globally unique Malå drill core archive with millions of meters of core samples.

The energy, infrastructure and mining sectors are investing heavily to contribute to the green transition. The aim is to have an impact not only in Sweden but on a global scale through for instance the new battery factory Northvolt as well as HYBRIT and H2 Green Steel initiatives to develop fossil-free processes for steel making. The Sustainable Underground Mining Initiative is a new world standard for the mine of the future including a testbed and virtual mine to develop and test new technology for mining at great depths. Sweden will further contribute to the green transition with Europe's largest rare earth mineral deposit playing a crucial role in supplying minerals essential for the technology required to enable the green transition.

## VAST, MINERAL-RICH AND UNDEREXPLORED MINERAL RESOURCES

- Among the most mineral-rich in the world
- Highly attractive for prospectors
- Mineral resources highly underexplored
- Obtaining exploration permits is a straightforward process.

## WELL-DEVELOPED INFRASTRUCTURE

- Well-developed and connected railways, ports and roads
- The whole country within the electrical grid
- Internet coverage close to 100%
- Transparent and well working rules and regulations

## SUFFICIENT ENERGY INCLUDING GREEN ENERGY MIX

- Hydropower close to the mines
- Early adopter of the green transition
- Battery and green hydrogen technologies

## ADVANCED TECHNOLOGY LEVEL

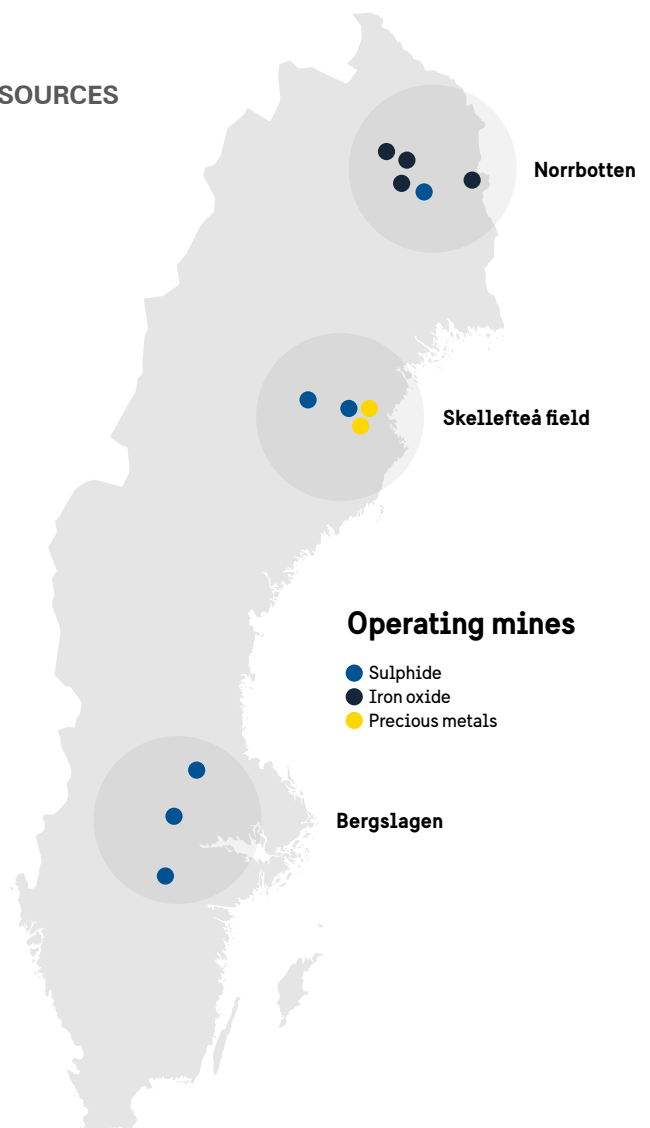
- Long industrial traditions
- Proven solutions for arctic working conditions
- Frontrunner in underground mining technology

## EXTENSIVE FOCUS ON SUSTAINABILITY

- Values and actions throughout the value chain
- Social – dialogue with indigenous people
- Environmental – priority through the value chain
- Economic – increased efficiency and profitability

## HIGH R&D INVESTMENTS AND INNOVATION LEVEL

- Incubator culture generates innovative startups and scaleups
- Triple helix with long collaboration traditions
- R&D lead in metallurgy & minerals processing



# Sustainable Mining by Team Sweden works for global impact

The Swedish mining and mineral industry drives technological change and the green transition globally. Across the mines in Sweden, a metallurgical and mechanical industry has developed, covering world class smelting, refining and alloys, as well as outstanding cutting-edge global equipment suppliers.

On the mining suppliers' side, Sweden is since long a global leader and about 65% of the world's underground mining equipment market is held by Swedish companies. Swedish manufacturers and service providers offer a wide range of solutions within electrification, digitalization and automation and are actively contributing to the green transition and to more sustainable, efficient and safer mining operations.

Swedish academia and R&D are in close collaboration with the mining industry. Innovation often occurs in collaboration with the local mining companies, universities and technology providers as the mines many times serve as an innovation playground through various initiatives.

Furthermore, several governmental and industry organisations are closely interacting and collaborating with the mining industry in what is called the "Team Sweden Initiative", facilitating interaction, knowledge transfer and increasing the international trade of Swedish solutions to foreign countries as well as investments into Sweden. It includes a number of initiatives, programs, financing solutions and business delegations around the world in order to promote the Swedish mining ecosystem and to match global needs and opportunities with Swedish competence and offerings.

For more information on the Swedish mining industry, the Team Sweden initiatives and ways we can support, please contact us and we will guide you to the right organisation.

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	 Government Offices of Sweden		
 <b>NIR</b>   International Council of Swedish Industry NÄRINGSLIVETS INTERNATIONELLA RÅD	 SWEDISH MINING INNOVATION	 VINNOVA	 <b>SEK</b>
 <b>SGU</b> Geological Survey of Sweden	 <b>SveMin</b>		