

Senior Engineer

Expertise	Rock Mechanics, Management & Leadership, Mining Engineering, Mine Planning
Education	M.Sc (Civil Engineering), 2013 Luleå University of Technology, Luleå, Sweden
Professional Affiliations	ISRM Member

Professional Experience

2026 – Present	Itasca Consultants AB, Stockholm, Sweden Senior Engineer
2023 – 2026	LKAB, Kiruna, Sweden Section Manager – Mine Planning
2022 – 2023	LKAB, Kiruna, Sweden Production Supervisor – UG Scaling
2018 – 2022	LKAB, Kiruna, Sweden Rock Mechanics Engineer – UG Operations
2017 – 2018	Sweco Civil AB, Umeå, Sweden Rock Mechanics/Soil Mechanics Engineer
2013 – 2017	LKAB, Kiruna, Sweden Research Engineer – Rock Mechanics

Project Experience

Mining

2023–2026 | LKAB Kiruna

Role: Manager – Mine Planning/Technical Services

Manager responsible for Mine Planning, Mine Geology, and Mine Surveying at LKAB Kiruna.

- Improved collaboration between planning and operations through revised workflows, leading to an increase in compliance with the short-term plans
- Led the finalization of a mine-wide transition to Deswik as the primary mine planning tool
- Initiated and led the development of the first Cave Management Plan for the Kiruna SLC operation

2022–2023 | LKAB Kiruna

Role: Production Supervisor

Supervisor for the UG scaling crew at Kiruna, close collaboration with other parts of operations. Led a project to improve the safety and functionality of the truck-mounted water-cannons used to clear hang-ups in the SLC.

2020–2022 | LKAB Kiruna

Role: Rock Mechanics Engineer

Led the technical response and subsequent multi-year damage assessment at the Kiruna mine after a M4.2 seismic event. Coordinated a cross-functional initial analysis within two months of the event, including the initial damage appreciation across the affected area. Managed the progressive mapping and characterization

of the damage extent over the following two-year period. Contributed to the evaluation of recovery options and the final decision to leave the area as a barrier pillar.

2018–2023 | LKAB Kiruna

Role: Rock Mechanics Engineer

Operational rock engineering support at the Kiruna mine, a large-scale SLC operation at depth with seismically challenging ground conditions, including condition and damage mapping in the field as well as ground support design. Led improvements to damage mapping workflows. Numerical analysis of the potential for stress-induced damage on current, as well as future, infrastructure. Contributed with data collection and analysis for a new ground support design.

2017-2018 | Sweco Civil AB

Role: Rock Engineer

Three-dimensional analysis of mining sequences in the Kiruna mine (LKAB), using 3DEC.

2013–2017 | LKAB Kiruna

Role: Research Engineer – Rock Mechanics

Applied research of ground support. Project lead for the design of a dynamic ground support testing facility. Field and laboratory testing of ground support elements subjected to static as well as dynamic loading. Design of a rock fall barrier for vertical box-hole raises used for opening blasts.

2012–2013 | LKAB Kiruna

Role: MSc Project

Field tests on the early strength development of grouted rock bolts and fibre-reinforced shotcrete (Master's thesis).

Civil Engineering

2018 | Sweco Civil AB

Role: Rock Engineer

Field inspections and rock engineering support during the expansion of Bolidens tailings storage facility in Hötjärn.

2017 - 2018 | Sweco Civil AB

Role: Rock Engineer

Field inspection of rock slopes during the construction of a new spillway at Boliden's Aitik mine. Selection of ground support based during construction.

2017 | Sweco Civil AB

Role: Rock Engineer

Field inspection and design of rehabilitation for drainage tunnels along Malmbanan (the Iron Ore Line) between Björkliden and Riksgränsen.

2017 | Sweco Civil AB

Role: Rock Engineer

Field mapping and stability investigations of a decommissioned quarry in Brännland, Umeå.

2017 | Sweco Civil AB

Role: Soil Engineer

Design of an emergency spillway for the tailings storage facility in LKAB Kiruna.