

Health and environment

The environmental work encompasses the entire value chain in Rana Gruber's operations and is carried out in collaboration with contractors and other suppliers.

Condition monitoring for a better present and a sustainable future

By using condition monitoring systems, Rana Gruber strives to fulfill its responsibilities by replacing machine parts only when needed instead of using time-based maintenance, thus avoiding secondary damages and potential environmental effects.

Using the HD condition monitoring technologies, Rana Gruber has had exceptionally long pre-warning times in several cases, which has been very useful in avoiding breakdowns on critical machinery. For many of the spare parts for these machines, delivery times can be several months, for example, main bearings for ball mills, separators, pumps, etc.

Condition-based monitoring also means that even minor deteriorations in operating condition are detected and can be corrected at an early stage, including lubrication, imbalance, high temperature, etc.

Factory Acceptance Testing (FAT) performed on new and repaired machinery ensures that it runs efficiently and lasts as long as possible.

The very long pre-warning times that the SPM HD technologies provide make it possible to save considerable amounts on spare part handling, tying up less capital.

Work environment

Long pre-warning times provide optimal conditions for planning corrective maintenance that can be carried out safely and under the best possible working conditions.

Testimonial

"Running a mining operation is a complex task with many critical process steps, and one of the most production-critical applications in our operation is our mills. They are high-cost equipment in terms of capital investment as well as the operational costs involved. They are often considered the heart of the operation due to the few large units they usually comprise.

Thanks to the toe position monitoring solution from SPM Instrument, we have been able to avoid mill overload and have thus experienced an increase in production time. We can strongly recommend the system from SPM Instrument as an effective tool for mill downtime prevention."

- Erik Larsen, Plant Manager, Rana Gruber

Rana Gruber operates iron ore mining and mineral processing to yield iron ore concentrates and specialized products from five iron ore deposits located just south of the Arctic Circle in Norway. Rana Gruber operates at more than 23.000.000 m² (5.700 acres), for which the company has mineral rights.

Rana Gruber has about 370 employees and an annual production capacity of 1.8 million metric tons (mt) of iron ore concentrates consisting of hematite and magnetite.

