

SUPPLYING BULK EXPLOSIVES,
INITIATING SYSTEMS AND
DOW-THE-HOLE SERVICE TO
THE BIGGEST MINE IN NORWAY,
ON THE 69TH PARALLEL

CLIENT	NORTHERN IRON LTD
SITE	SYDVARANGER MINE
LOCATION	BJØRNEVATN, NORWAY
PERIODE	2019-2014



OBJECTIVES

- Located in the North of Norway, Sydvaranger iron mine was first opened in 1906, and had production until 1997.
- The Sydvaranger Iron Project consists of three magnetite iron deposits (Kjellmannsåsen, Fisketind Øst and Bjørnevattn) and a further 20 prospects with known iron mineralisation located over a 12kilometer strike length.
- The mine was re opened in 2009, by Northern Iron Ltd (Australia), the owner of Sydvaranger Gruver AS to commence production of magnetite iron concentrate for supply into the European market.
- EPC Groupe have been awarded a 5 years explosives contract, acknowledging his capability to reliably supply, manufacture and implement a large open pit open pit operation, located in a remote arctic location.

KEY FIGURES

- Rock volume: 28-35 MT/year
- Emulsion production: 50,000 T
- Employees at the mine: 350
- EPC Groupe team: 11
- Average temperature range: 15°C (59°F) / -35°C (-31°F)
- 1 bulk production plant (annual production: 10,000 T)
- 2 arctic pack specifically designed Multiblend trucks,
- 1 AN storage on site





EXAMPLES OF CONSTRAINTS

- Arctic region harsh climate and conditions.
- Long cold winters with a lot of snow and wind affecting teams and equipment
- Safety constraints linked to daylight variation
- Small remote community with few people making HR management a big challenge.
- Severe supply chain constraints with
 - Long / complicated transport distance,
 - Demanding mining cycles
 - Few available suppliers giving low competition and high prices,

A TAILORED SERVICE PACK

- Experience of Nordic conditions (Dannemora Mine in Sweden) allowed EPC Groupe to:
 - Provide first arctic pack specifically designed Multiblend truck in 5 months
 - Commission a specifically dimensioned and fully functional plant in 9 months, thanks to our exclusive containerized modular plant concept.
- In-house designed and assembled equipment withstanding extremely restrictive environmental conditions.
- Secured local 3,000 T capacity Ammonium Nitrates storage to guarantee a continuous supply to the mine.

UNITARY TRACEABILITY

- EPC Groupe unitary traceability technology encompasses the entire logistics loop, from leaving the production chain to delivery to the site, including on-site production and return flows.
- Already more than 60 million events tracked for Europe.
- A secure portal allow customer receives precise reporting on its orders and consumption.



Safety	-64% IN ACCIDENT FREQUENCY RATE THANKS TO OUR SPIRIT PROGRAM & 60 « SAFETY AMBASSADORS »
Passion	
Integrity	UNIQUE EXPERTISE & TECH. FOR A TAILORED LOGISTIC SOLUTION
Respect	
Innovation	STANDARD COMPONENTS FOR TIMELY AND COST EFFECTIVE MAINTENANCE
Teamwork	