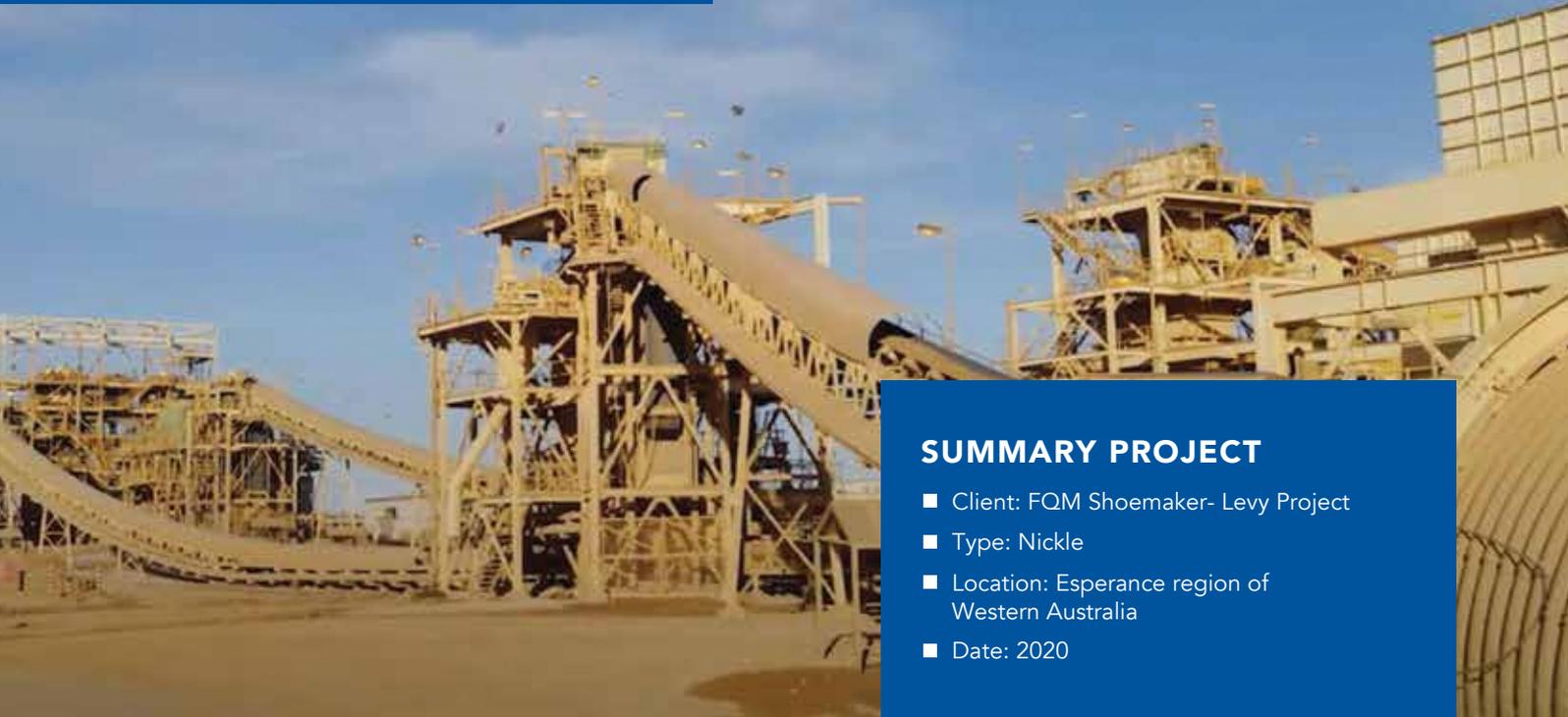


RAVENSTHORPE NICKEL OPERATION



SUMMARY PROJECT

- Client: FQM Shoemaker- Levy Project
- Type: Nickle
- Location: Esperance region of Western Australia
- Date: 2020

SUMMARY RESULTS

- Reliable transport at the highest capacity
- Longer service life
- Lower safety risks
- Reduced capital investments and operating costs

Sempertrans was selected by First Quantum Minerals (FQM) for the supply of conveyor belt to the Shoemaker-Levy Project, an extension of the Ravensthorpe Nickel Operations (RNO) in Western Australia. FQM's Ravensthorpe mine is the 3rd largest nickel mine in Australia with an annual production of 30,000 tons of contained nickel.

Sempertrans designed and supplied 18 km of eXtra Cut and Gouge (XCG) resistant top cover and a Low Rolling Resistance compound (TransEvo-Ultra) in the bottom cover to meet the demanding operational requirements of the RNO site.

TransEvo-Ultra reduces energy use by up to 25% compared to conventional belts. Reduced energy use also makes TransEvo- Ultra the preferred ecological choice for less environmental impact.

Along with the XCG/TransEvo-Ultra, Sempertrans also supplied over 1km of Sempertrans' Ripstop™ belts with XCG covers.

Ripstop™ combines the convenience of a textile belt with the strength of steel.

PROJECT IN NUMBERS

	Sempercord™	Ripstop™
Transported material	Nickel	Nickel
Conveyor belt length	18km	1km
Conveyor belt width	1,200mm	2,400mm
Conveyor belt tensile strength	ST1800	PN1250
Transport capacity	2600t/h	2600t/h
Speed of belt	5m/s	Varies
Maximum lump size	150mm	300mm
Maximum drop height	5m	8m
Roll lengths	787m	Varies
Roll weights	35ton	Varies
Number of rolls delivered	23	4



CUSTOMER CHALLENGES

- Transport large volumes of Nickel ore across extended lengths of ground
- Sustain the operational pace of the high capacity mine
- Ensure durable and sustainable operations
- Reduce operating costs
- Provide added value for the end user via customized solutions

SEMPERTRANS SOLUTIONS

- Design and supply of 18 km of Sempercord™ heavy steel cord belts
- Special technical and turnkey consultancy for OEMs by Sempertrans' Global Application Engineering team
- Installation and splicing completed by Sempertrans partner. Splice QA completed by Sempertrans approved Field Supervisor
- After-sales support to ensure smooth operations and customer satisfaction



ABOUT SEMPERTRANS

Sempertrans is one of the largest and most technologically advanced conveyor belt manufacturers in the world and part of the Semperit Group. We are headquartered in Vienna, Austria but operate globally with production facilities in Poland and India. Conveyor belts made by Sempertrans are distinguished worldwide for their high performance, high operational reliability and long service life through continuous focus on R&D and sustainability. Our product portfolio ranges from general and engineered solutions to specialised covers. It includes conveyor belts with both textile and steel cords, which perfectly meet the requirements of their respective fields of application– from underground and surface mining to heavy industry and shipping ports. Sempertrans is committed to finding the most suitable and reliable solution to help optimise the effectiveness of our customers' business operations. We offer application engineering, product development, manufacturing, installation and maintenance services.

ABOUT FIRST QUANTUM

First Quantum is a global copper company. FQM produce copper in the form of concentrate, cathode, and anode, and have inventories of nickel, gold, and cobalt. FQM operate long life mines in several countries and employ approximately 20,000 people world-wide.

- 25 years of operations
 - 8 Operating mines covering four continents
 - One of the world's top 10 copper producers
- FQM are focused on providing a tangible benefit from everything they do for investors, employees and the many communities that host their operations. FQM are well-known for their 'can do' attitude and specialist technical, engineering, construction, and operational skills, which allow them to develop and successfully run complex mines and minerals processing plants.