

sherritt
THE NAME IN NICKEL



Sherritt Fort Site – 60 years of innovation

Life in the Heartland Stakeholder Presentation

April 12, 2017

Agenda

Mission: *Be a low-cost nickel producer creating sustainable prosperity for our employees, communities, and shareholders through:*



Products

- Nickel, Cobalt & Fertilizer



Operations

- The Process

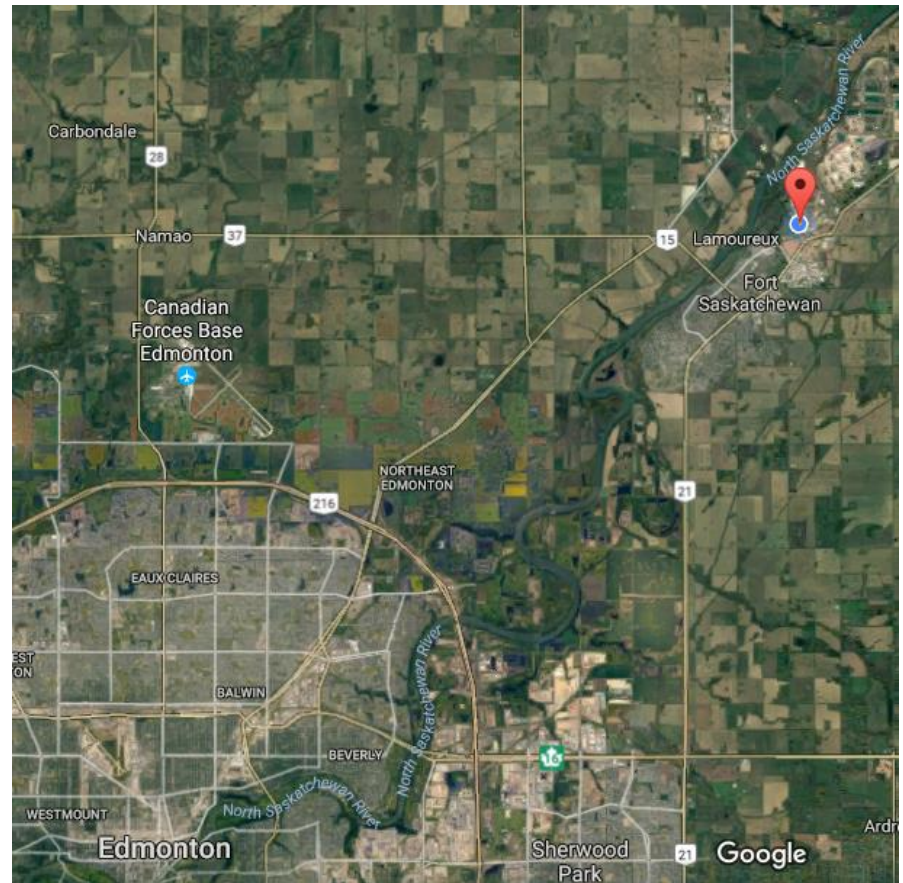
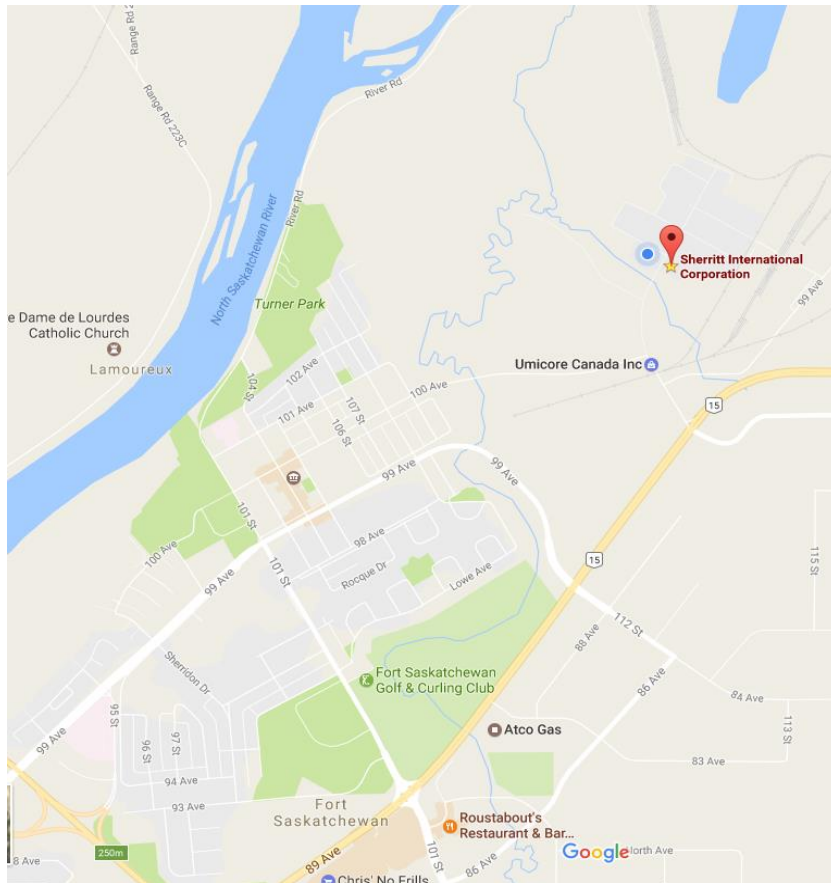


Approach

- Environmental, Community, & Economic

Location

sherritt



Products



Nickel

- Stainless Steel
- Alloys
- Chemicals



Cobalt

- Metallurgical alloys
- Magnetic alloys
- Chemicals



Fertilizer

- Made as a by-product of Sherritt's nickel process
- Help support a growing population globally

Products – key to environmental innovation

Renewable energy is a huge opportunity—with or without Donald Trump

The U.S. president is moving to roll back climate-change related regulations, but clean tech is an international growth area for ambitious Canadian firms

Mar 31, 2017 Dan Woyanilowicz and Merran Smith   1



(Francesco Bittchesu/Getty)

"We are witnessing a transformation of global power markets led by renewables."

Those were the words of Fatih Birol, executive director of the International Energy Agency—an institution often noted for its conservative tendencies when it comes to renewable energy.

The global clean energy transition has taken hold. Hundreds of billions of dollars flow into new clean energy projects every year, pushing renewables toward increasing dominance over fossil fuels in various markets.

Since 2012, the world has brought more renewable than fossil power online each year—and that trend continued in 2016. Overall, the amount of new renewable power capacity installed in 2016 came in just shy of the record set in 2015, with 150 GW installed. To put that in context, last year alone the world added more clean power capacity than we have in all of Canada today, from all sources.

This momentum now appears irreversible, as a confluence of economic, environmental, and political factors drive the transformation of our



Canada's cleantech industry is bigger than

Share:



ADVERTISEMENT

Electric Vehicles [+ Add to myFT](#)

Electric carmakers on battery alert after funds stockpile cobalt

Race to secure supplies of key material used in lithium-ion batteries



Cobalt, seen above in an electrolytically refined form, is a key part of the powerful batteries which power cars, including those made by Tesla © FT montage; Tesla; Alchemist-hp/CC



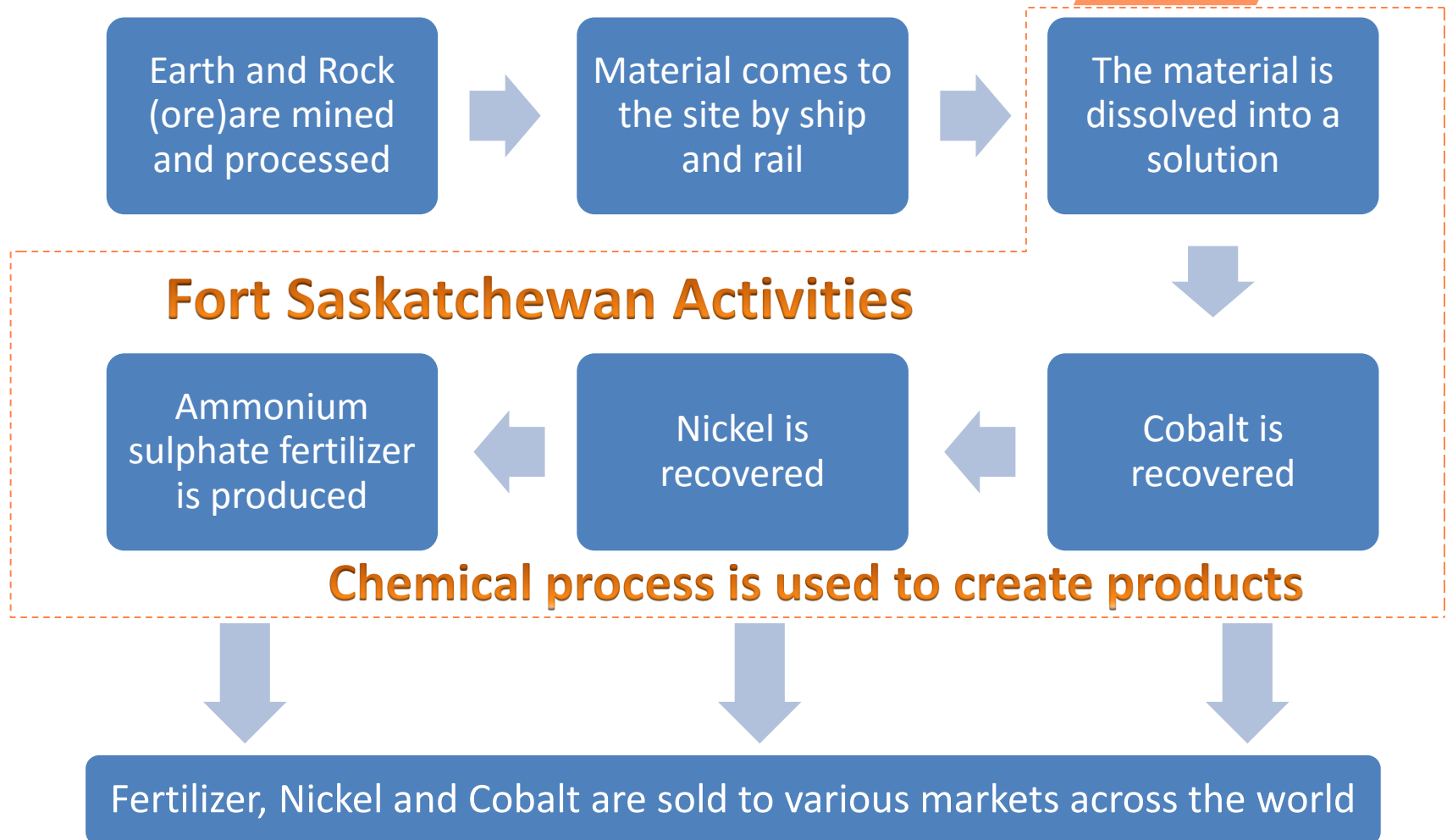
104 

Save

FEBRUARY 23, 2017 by: **Henry Sanderson**

Suppliers to Tesla and other electric carmakers are scrambling to secure shipments of the key battery material cobalt after a group of hedge funds amassed a large stockpile of the scarce metal.

Operations: The Process



*** Nickel and cobalt are sold to global customers excluding U.S*

Environment

- Efficient process also makes fertilizer
- Zinc and copper by-products sold to other metals refineries
- Energy, chemicals reused as feasible
- Active member with Fort Air Partnership
- Gaseous emissions reduced significantly since 1994



Community

- Stable operation → stable employment
- Long-term operation: 3rd and 4th generation employees
- Partnership with local community
- Actively involved with NRCAER; share best practices in emergency response
- Undergo annual emergency training and large simulations every 5 years



Approach

Economic

- Economic diversification
- Research and innovation; global leader selling Alberta technology around the world
- Cost control to survive business cycles
- Local employment and procurement
- Over \$100M in local wages
- About \$100M in local goods, services



Summary



Products

- Economic diversification
- Environmentally sustainable end products



Operations

- Energy-efficient chemical process
- Focus on by-products rather than waste
- Always looking to innovate and improve



Environmental, Community, and Economic

- All 3 important factors to ensure a sustainable business that is celebrating 90 years this year
- Local innovation hub; global licensees; patents
- Increasing production while reducing environmental impact



Visit us at our booth!

- Lyle Trytten, Director Sustainability and Regulatory Affairs
- Email sustainability@sherrittmetals.com