



FRONTIER
LITHIUM

Always Moving Forward.

Manufacturing in the Future North

State of the North 2019

SSM September 2019

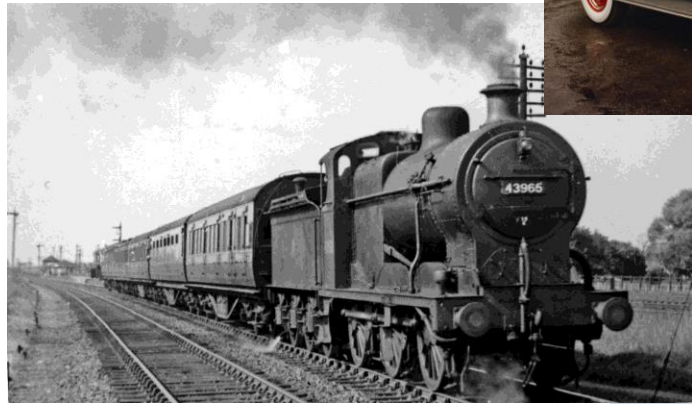
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FORWARD LOOKING INFORMATION

Certain statements in this presentation may contain “forward looking” statements that involve known and unknown risks, uncertainties and other factors that may cause the actual results, performance or achievements of the Company or industry to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements.

This presentation should be viewed in conjunction with the prospectus, a copy of which can be obtained electronically at SEDAR.

Outline



Industrial
Revolution



Transportation
Revolution



Energy
Revolution

Resources

Electric
Vehicles

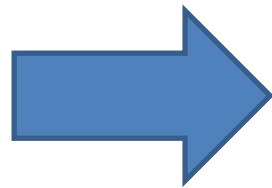
Manufacturing

Industrial Revolution

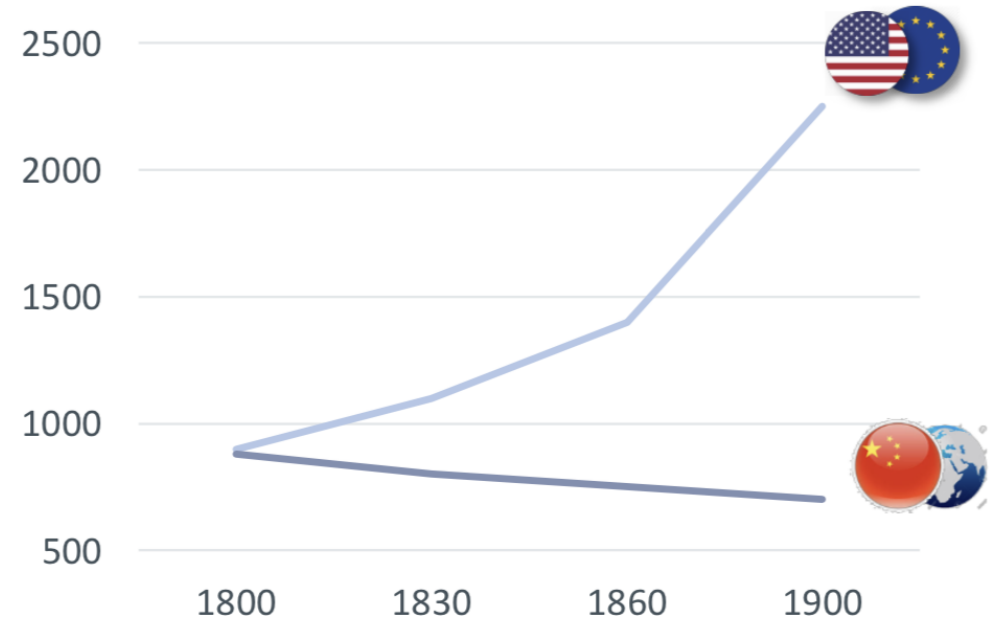
Energy



Transport



GDP Growth (\$)



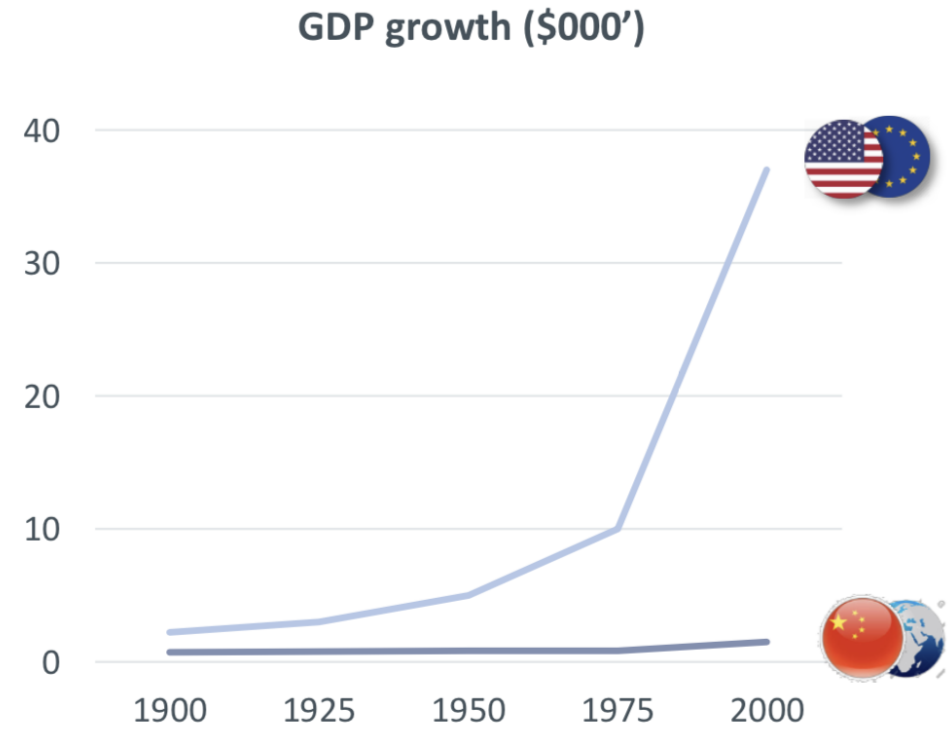
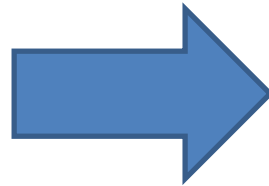
Source: Paul Bairoch, *Economics and World History*

Transportation Revolution

Energy



Transport



Source: World Bank

Energy Revolution

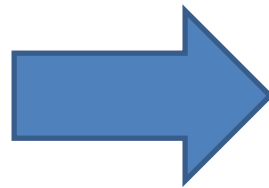
Energy



Transport



Energy
\$3 Trillion



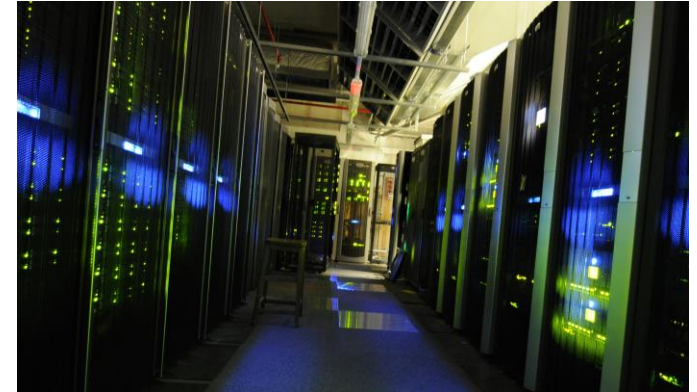
15% of
Global
GDP



Transport
\$8 Trillion

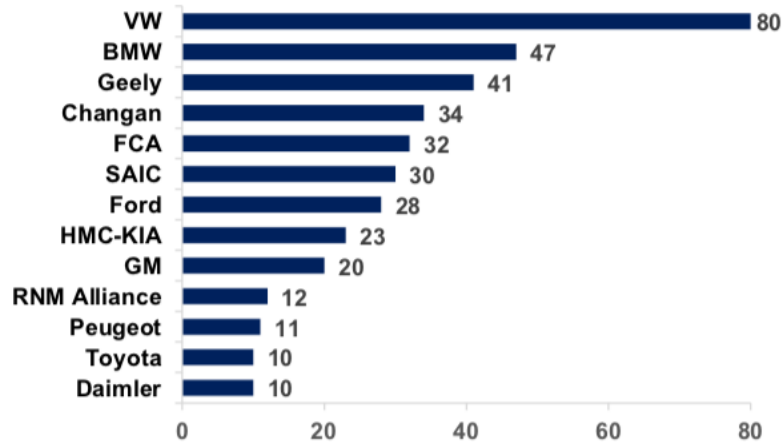
Energy Revolution

ELECTRICITY IS THE MOST IMPORTANT ENERGY SOURCE OF THE 21ST CENTURY



Energy Revolution

of EVs to be launched by 2025

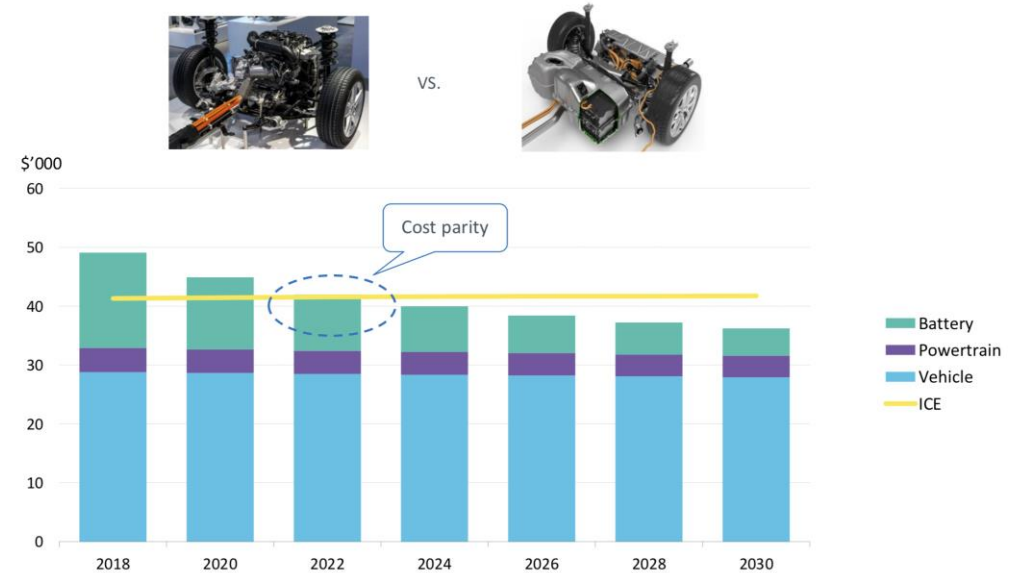


Source: Bloomberg New Energy Finance

Transport

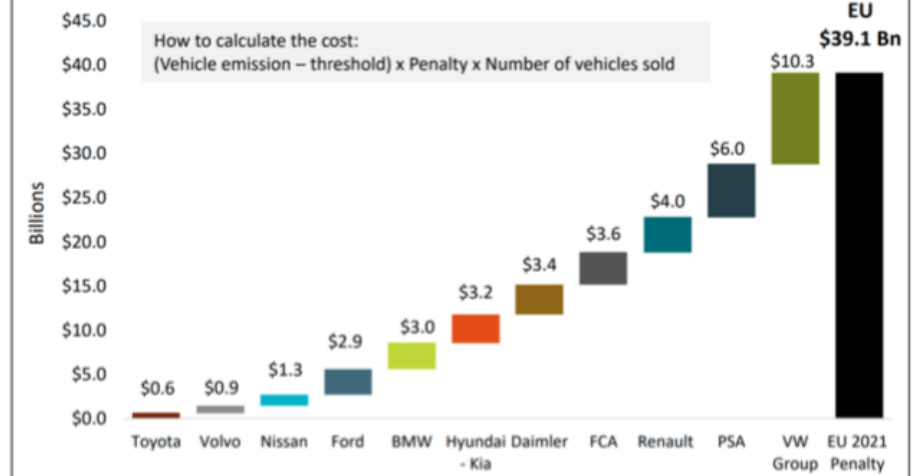


AND IN THE EARLY 2020S WE WILL REACH COST PARITY BETWEEN EVs AND ICES



Source: BNEF

Potential EU CO₂ Emissions Penalty 2021 (USD)



Source: Orocobre

Globalization



Nationalization



Resources

Growing demand for responsible resource extraction. That is why Glencore is only using its Australian cobalt for their BMW supply chain. Not Congo. The automakers are paying more attention to the geography and reputation risk of their supply chain. There will be an increased demand to Canadian resources.



Manufacturing - Shift to electric vehicles will radically change auto manufacturing

The flood of electric vehicles rolling out over the next decade will have many fewer parts and assemblies than today's gas-powered cars and trucks. And that will radically change the auto factory floor.

There's going to be an absolute shift in jobs in manufacturing.

- The bigger impact is expected for manufacturing plants building engines and transmissions.
- The powertrain in the all-electric Chevrolet Bolt has 80% fewer moving parts than ICE which has as many as 2,000 parts
- Tesla Inc. has said its drivetrain has fewer than 20 moving parts.
- Electric drivetrains are more suited to automated assembly lines.



This shift is an opportunity to reinvest in Canadian manufacturing.

FRONTIER LITHIUM



ELECTRIC
AVENUE

Always Moving Forward.