Managing Innovation for Sustainable Change

Keith Mayhew, Manager Technology and Innovation, November 20th, 2018



Canada's Largest Diversified Resources Company

Teck



1 Producer of **steelmaking** coal in North America

2 Seaborne exporter of steelmaking coal globally



Top ten **copper** miner in the Americas



#3 **zinc** miner in the world



Building an **energy** business



Implementing a comprehensive sustainability strategy

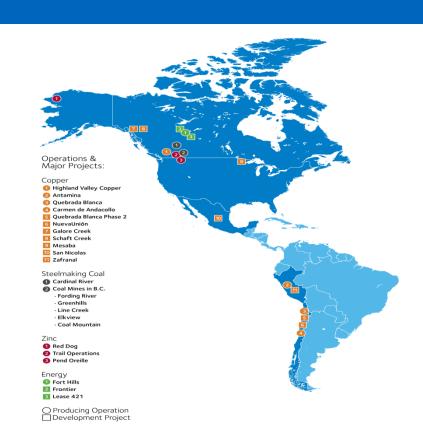


Safety is a core value

Teck Overview Today

Teck

- Diversified resource company, committed to responsible mining and mineral development
- Major business units focused on steelmaking coal, zinc, copper and energy
- Own or have an interest in 12 mines, one large metallurgical complex, an oil sands mining and processing operation and several major development projects in the Americas
- Over 100 years of experience



Committed to Responsible Resource Development



Strong sustainability performance enabled by a strategy built around developing opportunities and managing risks.

Implementing a sustainability strategy with short-term, five-year goals and long-term goals stretching out to 2030.

Goals cover the six areas of focus representing the most significant sustainability issues and opportunities facing our company:



Teck & Innovation – The Future is Today

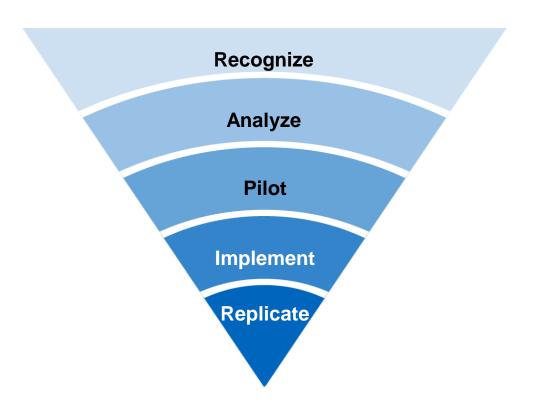
Adjusting to the Evolving Global Landscape Innovation Presents Key Opportunities





Disciplined Approach From Scanning to Implementation





Broad scan

Discipline in analysis

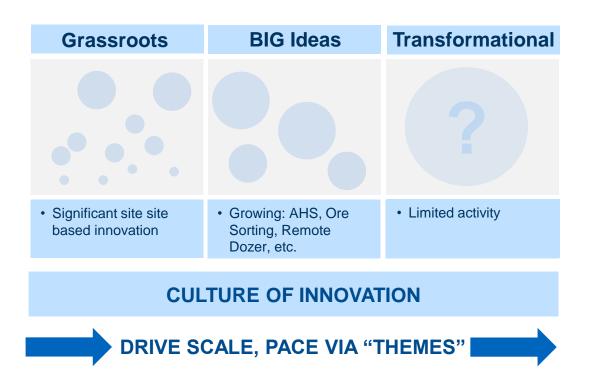
Speed in decision making

... and execution

Full extraction of value

Building the Innovation Culture Facilitating Across the Business





Teck's Innovation Themes

Support our Vision and Values

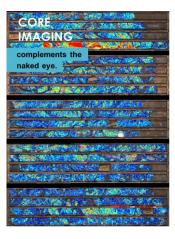




Improving Ore Body Knowledge Building Momentum from Model to Mill & Ideas to Implementation



Implemented



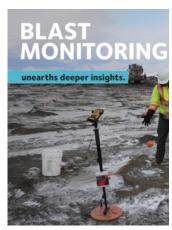
Improved geology models

Analysing



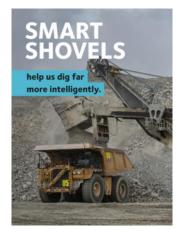
Refining the block value

Implemented



Maintaining blast control

Implemented



Decisions at the shovel scale

Piloting



Value based decisions

Innovation at Teck – Ideas at Work™

Culture of Innovation Telling our Story and Engaging Employees



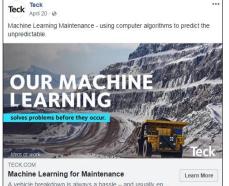
- We' re building on our culture of innovation
- We have unleashed a great deal of energy in a short time



Culture of Innovation "Ideas At Work": Telling our Story

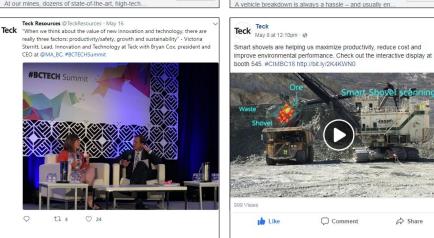




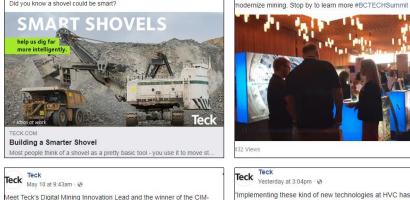


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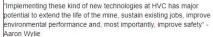




Meet the Innovator: Mohammad Babaei It started with rocks. Growing up, Mohammad Babaei was fascinated with geology. His favorite toy was a hammer, which he used to test the hardness of rocks. Mohammad's hobby turned into a passion that led him to hold a PhD degree in...

Better, faster, stronger - we're implementing exciting technologies to

Teck May 16 at 2:28pm ⋅ 🚱





Father, Mountaineer, Change Maker: Meet Aaron Wylie

"If you're not growing, you're dying" says Aaron Wylie, Superintendent, Transformational Technology at Teck's Highland Valley Copper Operations.

Culture of Innovation The "Future of Work" is Evolving Rapidly



- Our demographics are changing fast
- New generation of young engineering talent with new skills
- We know we need to excel at attracting, engaging and retaining those key innovators with outsize influence













