

How to disrupt a 10 000 year old industry with sensors and data analytics

SANDVIK



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O Hannover Messe 2019

"This is a time of great promise, and great peril. Leading companies even in the most traditional industries like Mining are setting clear priorities for their companies to address these challenges, and take advantage of the tremendous opportunity"

- Klaus Schwab - founder and executive chairman of the World Economic Forum



Daily amount of production Data from the average factory

1 Terabyte



Already realized capabilities for our Mining client base utilizing the Cognitive Value Chain for Mining



Improving and creating Consistency of Plant operations

(Operational Efficiency and Production Optimisation)



Unearthing high Quality deposits of Ore

(Cognitive Ore Body Discovery)

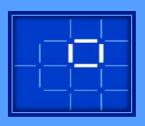


Securing effective
Capital, Inventory and
Asset Management



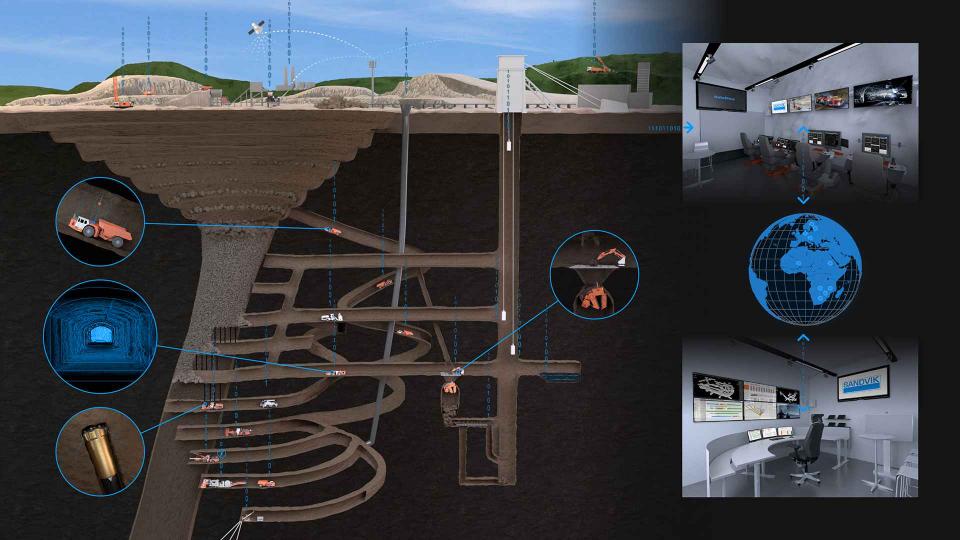
Driving sustainability and Supply Chain efficiency across Mining value chains

(Platforms and Blockchain)



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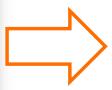




DIGITAL MINES

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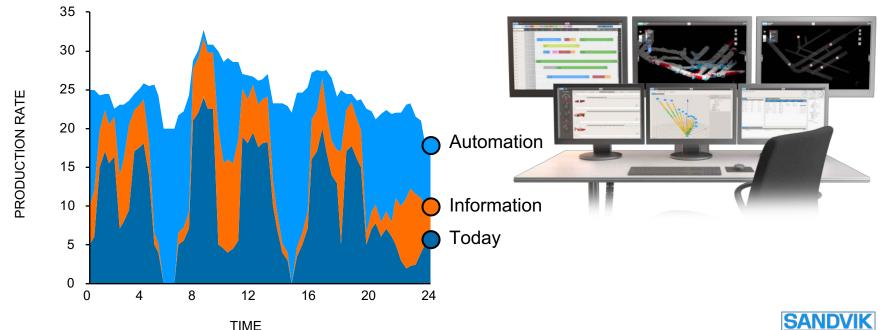






MORE, LOWER-COST & SAFER TONNES

WITH INFORMATION AND AUTOMATION





ANALYTICS AND PROCESS OPTIMIZATION

TURN YOUR MINING DATA INTO ACTIONABLE KNOWLEDGE

Fully integrated with customer digital ecosystem



IDENTIFY AREAS OF IMPROVEMENT



Big data from Sandvik global fleet and customer systems

PREDICT WITH ACCURACY



Proprietary predictive models for process optimization











Schedulina







Drill Plan Visualizer













Sandvik: Putting IoT to work for the manufacturing industry

https://www.youtube.com/watch?v=mW0mL0QaMBQ



To wrap it up



The Data

The Platforms

The Ecosystems & Partnerships

The Culture of Agile Innovation, Enablement and Change

Trust & Security





How to disrupt a 10 000 year old industry with sensors and data analytics



Let's put SMART to work!

See you in IBM booth Hall 7, C16

Thank you!



Anders Fredholm, General Manager, Global Industrial Products Industry, IBM

André Jakobs, Account & Application Manager Northern Europé, Sandvik Mining and Rock Technology



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