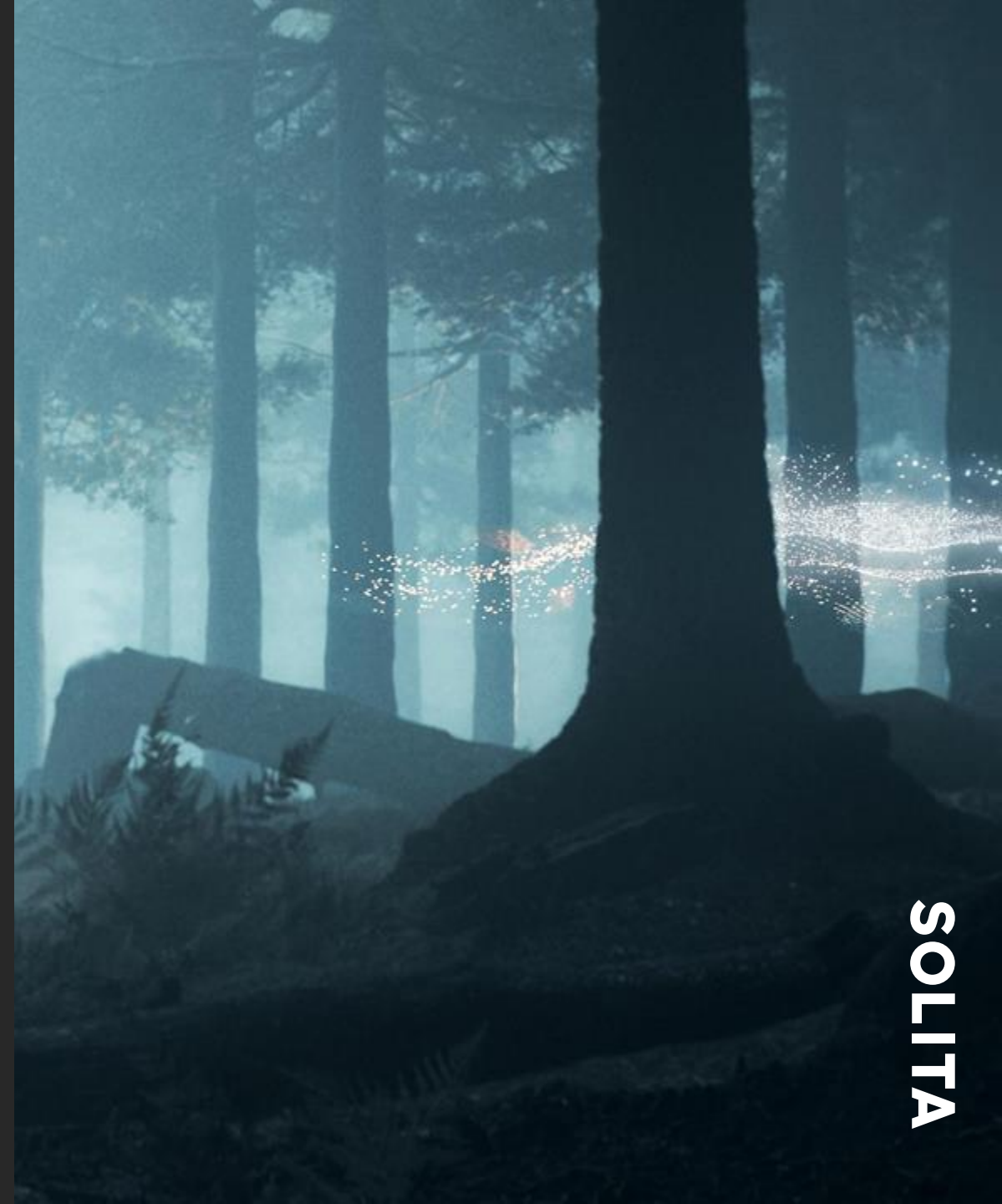


Nordic Approaches to Digital Transformations of Industrial Landscapes

June 14, 2022

Patrick Couch
Business Developer Data & AI
Solita Industrial, Sweden



SOLITA

8 DEC 2021 | NEWS

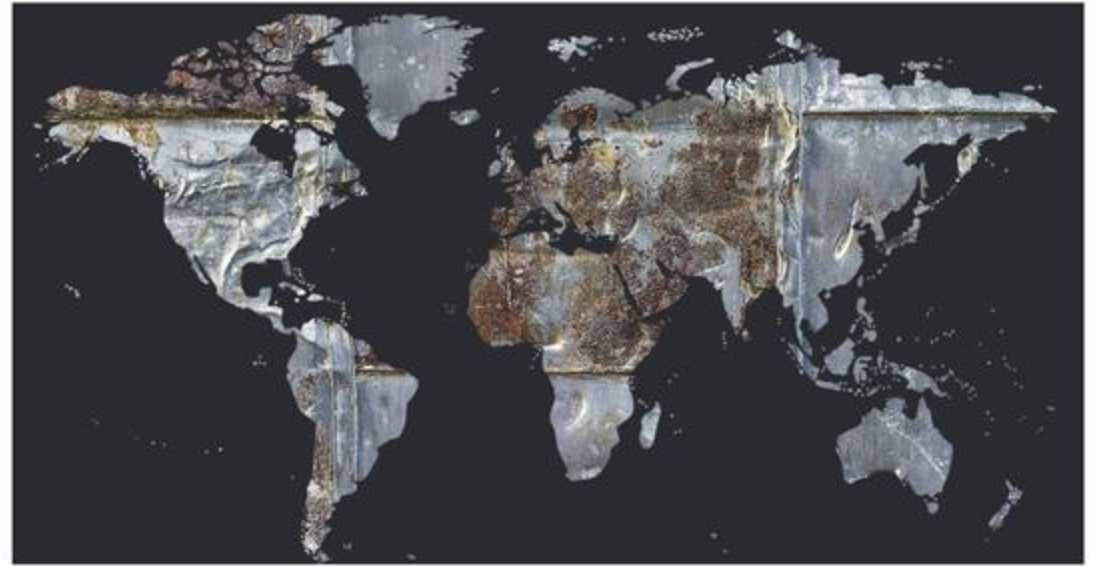
Solita strengthens industry expertise – launches Solita Industrial



Technology, data and design company Solita has introduced Solita Industrial - a new competence unit specializing in the needs of industrial companies in Finland, Sweden, Denmark, Belgium, Germany and Estonia. The purpose of the new unit is

3 JAN 2022 | BLOG

Globalisation and digitalisation converge to transform the industrial landscape





Power transmission







“The data platform will have a swift impact on the work we and our service providers do. Maintenance specialists will change from reactive measures based on measuring visits to a more real-time and need-based model.”

-Marcus Stenstrand, Digitalisation Manager, Fingrid



Steel





The cost of maintenance, or lack of maintenance, is around 13-14 percent of the market value of steel*

* Source: https://www.mynewsdesk.com/hogskolan_i_gavle/pressreleases/new-research-enables-considerable-savings-for-the-steel-industry-3169841



“The next step concerning proactive maintenance is now taken in close collaboration between Sandvik, SSAB, Ovako and ABB. Considerable savings can be made regarding machines and raw material”

-Professor Niclas Björsell, University of Gävle



Smelting





Solita helped Boliden with extensive improvements in their manufacturing maintenance process by incorporating external service providers' information systems to function with Boliden's maintenance management system.



Mining



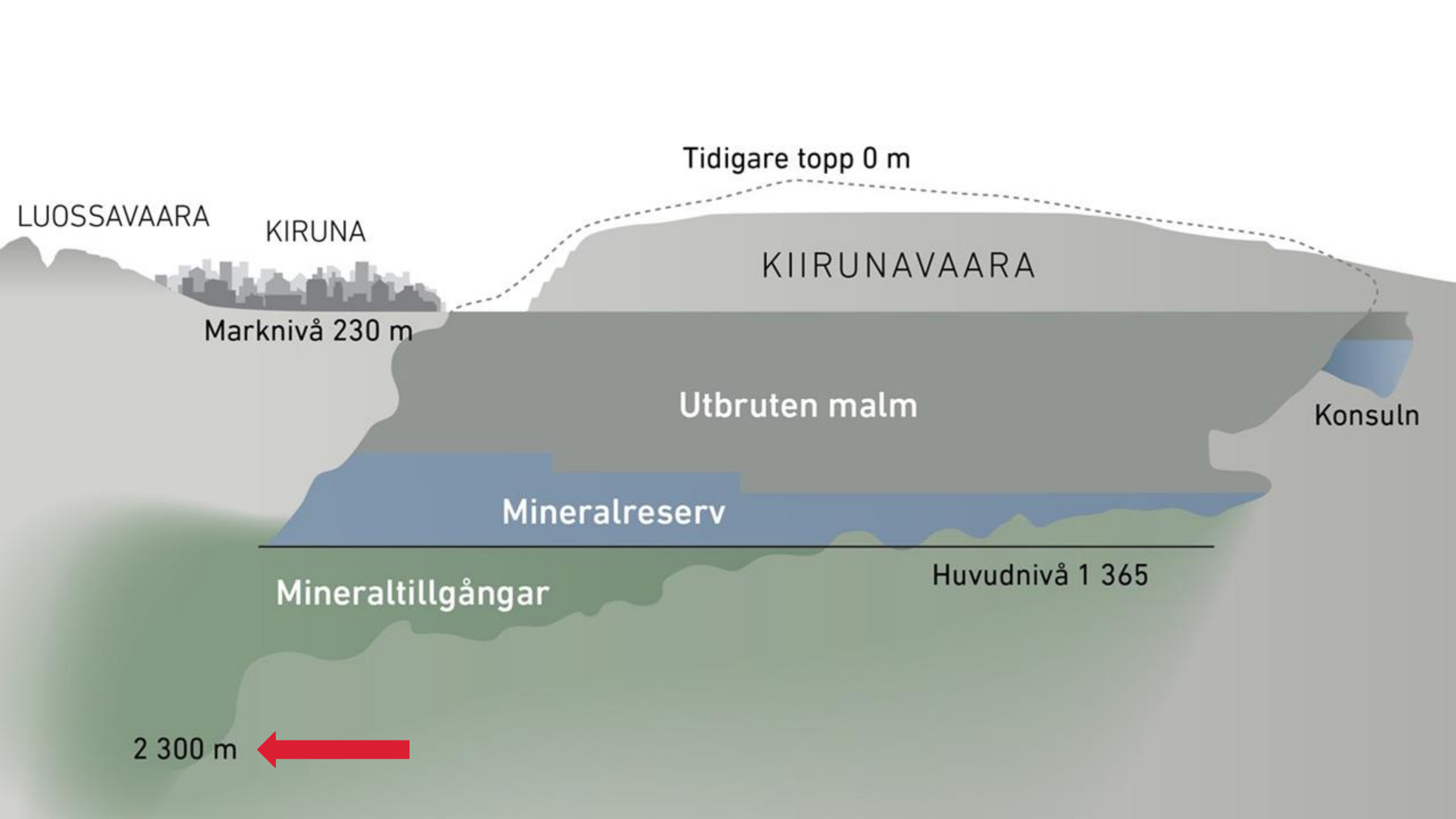


LKAB's current main levels in the mines in Kiruna will provide ore up to 2035.



“In the coming years LKAB must have a solution in place to be able to mine iron ore at depths approaching or exceeding 2,000 metres.”

- Jan Moström, President and CEO of LKAB









“[Maintenance personnel] are used to changing filters and oil, and now they need to handle something completely different. It’s a different capability to get used to.”

- Henrik Ager, President Sandvik Mining and Rock Solutions at Sandvik

SANDVIK





The thermal imaging camera can identify failures before they occur. It can identify fluid blockage, internal leaks, improper temperature displacement across cooler cores and many other things.





“The network in Boliden's underground mine is a good example of an environment where 5G can provide immediate benefits by ensuring communication for applications with high demands on performance.”

-Magnus Frodigh, Head of Ericsson Research



Forestry





“This solution will help us in achieving key targets – such as optimising efficiency, flexibility, and availability in our production”

- Marko Yli-Pietilä, Head of Smart Operations, Stora Enso





“Firstly, our customers want to know how to run their operations in the most efficient and sustainable way. Secondly, they want to know more about the machines themselves – to avoid downtime and any unnecessary costs”

- Miika Soininen, is Director of Digital Services and IT at Ponsse.





“By adopting a performance-based business model, we directly align our interests with those of the customer, helping to improve their performance, whilst reducing the unnecessary waste that results from a transactional business model.”

- Arik Danielson, former President and CEO, SKF

[Startsida](#) / [News and events](#) / [Nyheter och event](#) / [News 2019](#)
/ [2019-10-31-SKF-completes-acquisition-of-Presenso-3467470](#)

SKF completes acquisition of Presenso

2019 October 31, 16:30 CET

Gothenburg, 31 October 2019: SKF has completed the previously announced acquisition of Presenso Ltd.

Presenso is a company that develops and deploys artificial intelligence (AI)-based predictive maintenance software. Presenso's AI capability enables production plants to find and act on anomalies that were previously difficult to detect, automatically and without the need to employ data scientists.

Presenso's competence will be used to strengthen SKF's Rotating Equipment Performance offer.



Ports





To increase efficiency and reliability of operations, Solita helped the Port of Oulu to establish an API-based data platform open to ecosystem parties that ingests data from the ERP system, IoT-data as well as weather data.



Elevators & Escalators





Together with Solita, KONE is enhancing the predictive maintenance capabilities for more than 150,000 elevators with sensor data, machine learning and analytics. The collaboration is part of the ongoing development of an intelligent maintenance service called KONE 24/7 Connected Services.



Summary

Nordic Approaches to Digital Transformation



- **Capture diverse data streams**
 - Thermal cameras (Epiroc)
 - Acoustic signals (Fingrid)
- **Ensure low-latency network technology**
 - 5G (Stora Enso + Boliden)
- **Establish API-based data platforms**
 - Data platform (Port of Oulu)
 - Integration Platform (Boliden)
- **Consider servitized outcome-based business models**
 - Rotary Equipment Performance (SKF/Billerudkorsnäs)
 - 24/7 Connected Services (Kone/Kunming Changshui Airport)
- **Secure & scale digital skills**
 - Acquisitions (SKF)
 - Workforce re-skilling (Sandvik)
- **Collaborate across ecosystems**
 - Mining (LKAB, Sandvik, Epiroc, Combitech, ABB)
 - Steel (SSAB, Ovako, Sandvik, ABB, University of Gävle)
- **Leverage advanced analytics & artificial intelligence (ML/DL)**

