

Kilpailukykyä digitaalisilla tuotepasseilla Case: Sandvik

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Dec 4th 2024



More Data – Case Sandvik

Why this was important – motivation ?

Growing demand for electric solutions - we sell battery electric loaders and drill rigs



- Interest to find new ways to produce value on the basis of shared data
- Growing customer requirements for transparency and sustainability

Corporate sustainability targets & EU level regulation



- DPP EU regulation around the corner
- Sandvik`s sustainability objectives for circularity and CO2 reduction
- 50% reduction in CO2 and 90% circular by 2030

Data sharing over value chain and expected ERP integration burden

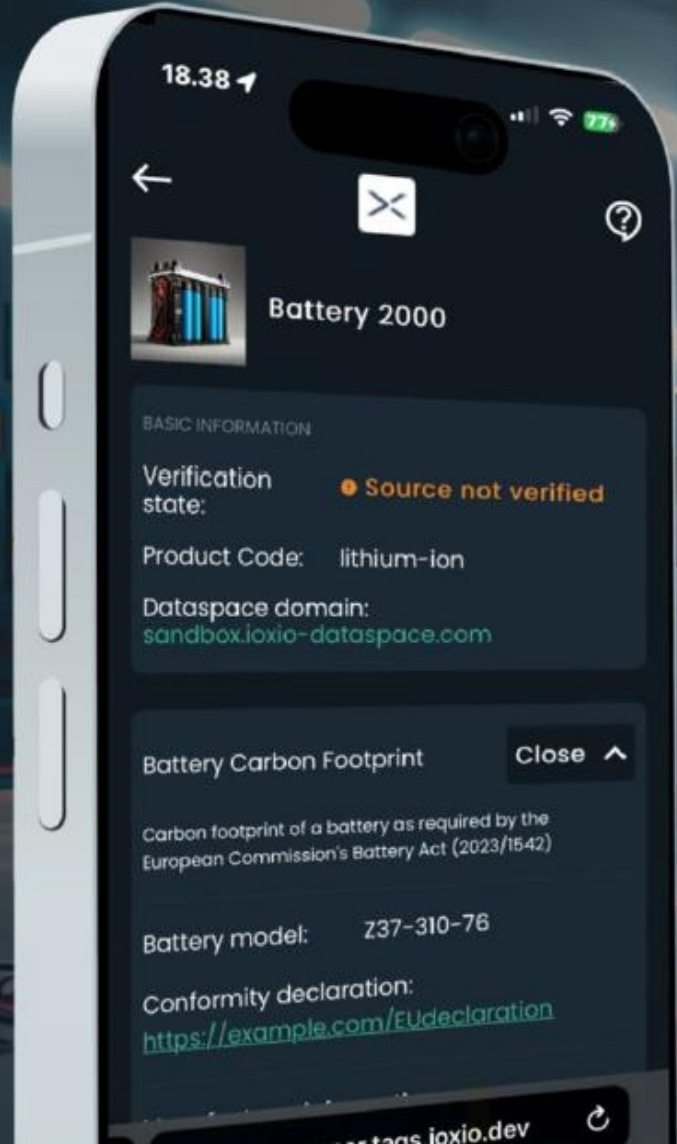


- Data sharing practices and industrial data space experiments
- Data sharing rules
- Standardization of industrial data not in place
- Identification of data assets

Co-operation and industrial per learning



- SIX Mobile work machines bringing companies together to solve common challenges
- Sitra extensive data economy background

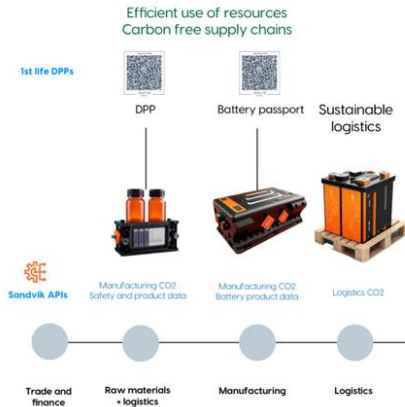




More Data – Case Sandvik What was done ?

AS BUILT DATA...

- Battery manufacturing data sheet



AS USED DATA...

- Battery health data



AS RE-CYCLED/USED

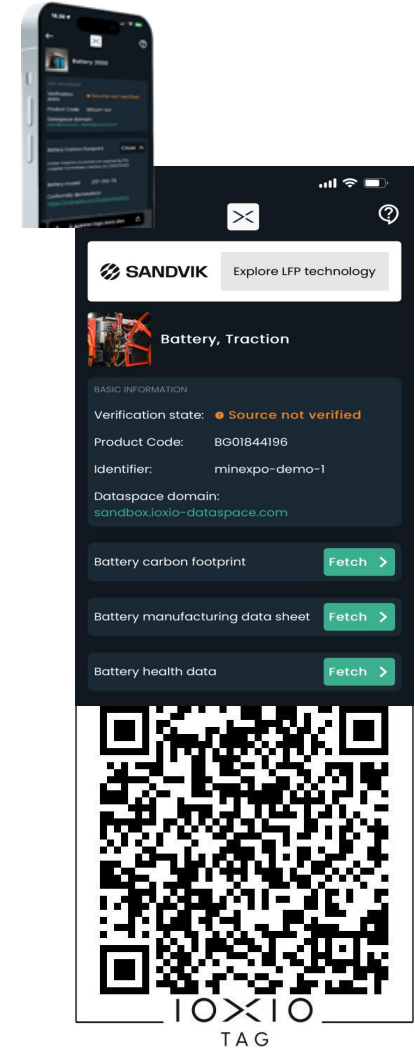


- First of a kind digital battery passport created and demonstrated
- Industrial data space piloted for data sharing
- Real data extracted from real locations
- EC Battery Act 2023/1542

DPP PILOT INTRODUCTION MINEXPO 2024 - LAS VEGAS



- Customer feedback and reactions
- Food for thought and ideation for further development



Questions



Thank you!
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SANDVIK

A screenshot of a mobile application interface. At the top, the status bar shows the time 9:48, signal strength, Wi-Fi, and battery icons. Below the status bar is a navigation bar with a back arrow, a close button (X), and a help icon (question mark). The main content area features the Sandvik logo and a button labeled "Explore LFP technology". Below this is a section titled "Battery, Traction" with a small image of a battery pack. Underneath is a "BASIC INFORMATION" section containing the following details: "Verification state: Source not verified" (with a red dot icon), "Product Code: BG01844196", "Identifier: minexpo-demo-1", and "Dataspace domain: sandbox.ioxio-dataspace.com". At the bottom, there are three rows, each with a label and a "Fetch >" button: "Battery carbon footprint", "Battery manufacturing data sheet", and "Battery health data".