Hitachi Intelligent Fleet De-carbonization

HITACHI Inspire the Next

Helping fleet operators De-Carbonize the Transport Ecosystem

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Session agenda:



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1. Market Overview. Why Move to a Net – Zero Fleet?

Need for a Greener Economy





- EU aims to be climate –neutral by 2050. Economy with net zero green house emissions
 - Forcing companies to act and change
 - Decarbonization is no more a choice but a must do for organizations
- Automotive transportation is going through a revolution, advanced electronics is enabling electrification of complex machines and increasing automation, safety, comfort and convenience.
- Positive economic case for operators already today when looking at total cost of ownership. Higher energy efficiency of electric vehicles, a lower lifetime maintenance cost, and continuously decreasing battery prices.
- Business as usual is no more a possibility else we will need more earths to live in if we continue in the same model

The Global Logistics Spending

HITACHI Inspire the Next





2. Hitachi Intelligent Fleet Decarbonization platform?

Key Business Strategy

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Hitachi Intelligent Fleet Decarbonization Platform

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High Level solution Architecture



What Data is required







3. How do we implement?

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Step 1 – Understand Customer ecosystem







4. Lessons Learnt

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Key Challenges to address while taking on the digital journey





Disconnected Environment

- Machines are not connected
- Every mode of transport functions differently
- Data challenges with legacy systems



Data sits in Silos

- Data sits in a **highly heterogeneous environment**, a large variety of machine types and OEMs that speak proprietary protocols (**OT Data Silos**)
- Data from different departments across telematics, asset information, planning, repair shops, to insurance sits in its own databases (IT Data Silos)



Difficult to Calculate ROI

- Most IoT projects failed due to lack of understanding of OT business drivers and focus too much on technologies
- 88% of survey respondents list "Uncertain ROI" as the largest only non-technical barrier



Business Transformational challenge

- People don't like changes
- How do we ensure technology adoption and embrace



Cross pollination of knowledge between various Hitachi Business is our key to a success solution

Get in touch

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