

Digital Ready (proposal) Nokia Veturi Day

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Digital Ready in a nutshell

- Consortium
 - Kalmar
 - Ponsse
 - Nokia
 - AGCO
 - Emblica
 - IOXIO
 - Telia
 - VTT
 - University of Eastern Finland

- Total budget
 - Approx 5,9 M€

- 24 month project
- Target start May '26



Background and topic

- Project comes from Sustainable Industry X Mobile Work Machines cluster
 - Creation of a roadmap Digital Ready is one of the first steps towards it
 - Finland has a great position in market, but technical development is happening fast and markets are redrawn
 - Mobile work machines have critical role in industrial value chains and European industry renewal
- The current machine generation
 - The machine does not understand the environment, customer or its' own context
 - Data is not gathered, is scattered among stakeholders or is not usable
 - Al without the context is not useful
 - The machine is not connected to customer's business processes
- Work machines have different operation environments and there are several different operations

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Focus is in the data

- How to enable machines own perspective, gather context and usage learning material for AI towards automation
 - How to build a work machine that support AI and data producing
 - Share the perspective with others for shared situation awareness
 - Diversity of data ensured
 - How cheap, robust and unified can this be
- How to integrate into the increasing data intensity in ever-changing operating environment
 - Customer systems & fleets with machines from different vendors
 - How to enable the operation level co-operation between systems and machines
 - Where AI could be in support of integration
- How to support the use of data for the machines
 - Connectivity and optimization of data processing (far-edge, edge, cloud)

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Opportunities

- Creation of new business on top of data
- Decision making with more context and shared situation view
- Data gathering within the mobile work machines
 - Federated learning
- Data sharing and integration Al layer
- 3rd party services on top of the available data



Thank you

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