

Atos Breakout session  
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Pre-integrated IoT program

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## Abstract

- ▶ In May 2018, Atos and Siemens started the pre-integrated IoT program, together with the first pilot customer Stora Enso in the Fiber Industry. The pre-integrated program delivers end-to-end Business IoT solution with innovative, differentiating industry use cases. A deep innovation collaboration relationship between the three parties to deliver industry leadership in improved production line performance by real-time predictive insights directly to the mill operators. May 2019 the mindpilot project was completed.
- ▶ Meanwhile we have started other pilots in the Marine industry with Maersk, in Pharma with GSK vaccines and in Oil & Gas with BP refineries.
- ▶ We will present the strategic goals of the program, how we set up effective innovative collaboration. How we develop end-to-end business solution for enterprise-wide IoT projects and re-usable ML & AI assets that can be deployed to multiple platforms and multiple clients and industries. According to market analysts such IoT end-to-end use cases did not exist. Now we have demonstrated an implementation for enterprise wide deployment facilitating large range of different IoT projects.

- ▶ The Stora Enso MindPilot project will be used to show the way of working, solution overview, the three use cases (1) event prediction, (2) defect prediction, (3) quality prediction, how operators adopt the predictive insights in their way of working and value the tools provided as per Net Promotor Score.
- ▶ The impact for Stora Enso and the fiber industry is multiple: (1) faster startups / product grade changes, (2) less downtime / higher production yield, (3) reduction of chemicals, (4) accurately predictable production volumes. Other clients in Fiber industry and other industries, especially in high speed production, are interested for fast implementation of proven end-to-end platform and valuable use cases.
- ▶ For Siemens and Atos, customer value is essential, and in addition re-usability is very important to make our joint innovation investment into a strong business case; re-usability for: (1) to multiple sites & lines in Stora Enso, (2) to other customers with similar challenges, (3) creating large industrial market footprint with such pre-integrated approach.
- ▶ The end-to-end platform solution, models and user interfaces are designed for re-use in any high-speed production facility and similar industries.
- ▶ Another paper will provide insights into the solution and implementation details.

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## Presenters:

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