

Welcome to AEF

AEF – Ag industry body for electronic communication

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IOT Platforms and standardisation workshop – Breakout session “Smart Farming”

Brussels, 8th February 2017

What's AEF doing

→ Agricultural Industry Electronics Foundation

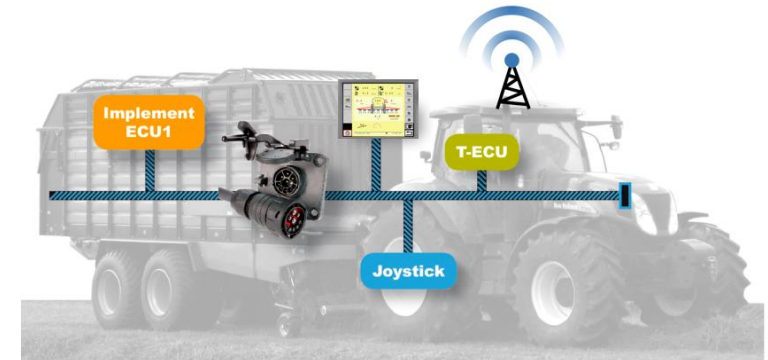
- Founded on October 28, 2008
- 8 major agricultural equipment manufacturers and 3 Associations
- Up to 200 member companies

→ Worldwide support of ISOBUS implementation

- Structured in 11 project teams with different scopes
- Supported by 5 international test lab to certify products

→ Define standards for Ag industry

- Focus on Tractor – Implement connection using ISOBUS
- Coordinate activities and developments
- Communicate via interfaces using ISOXML and EFDI

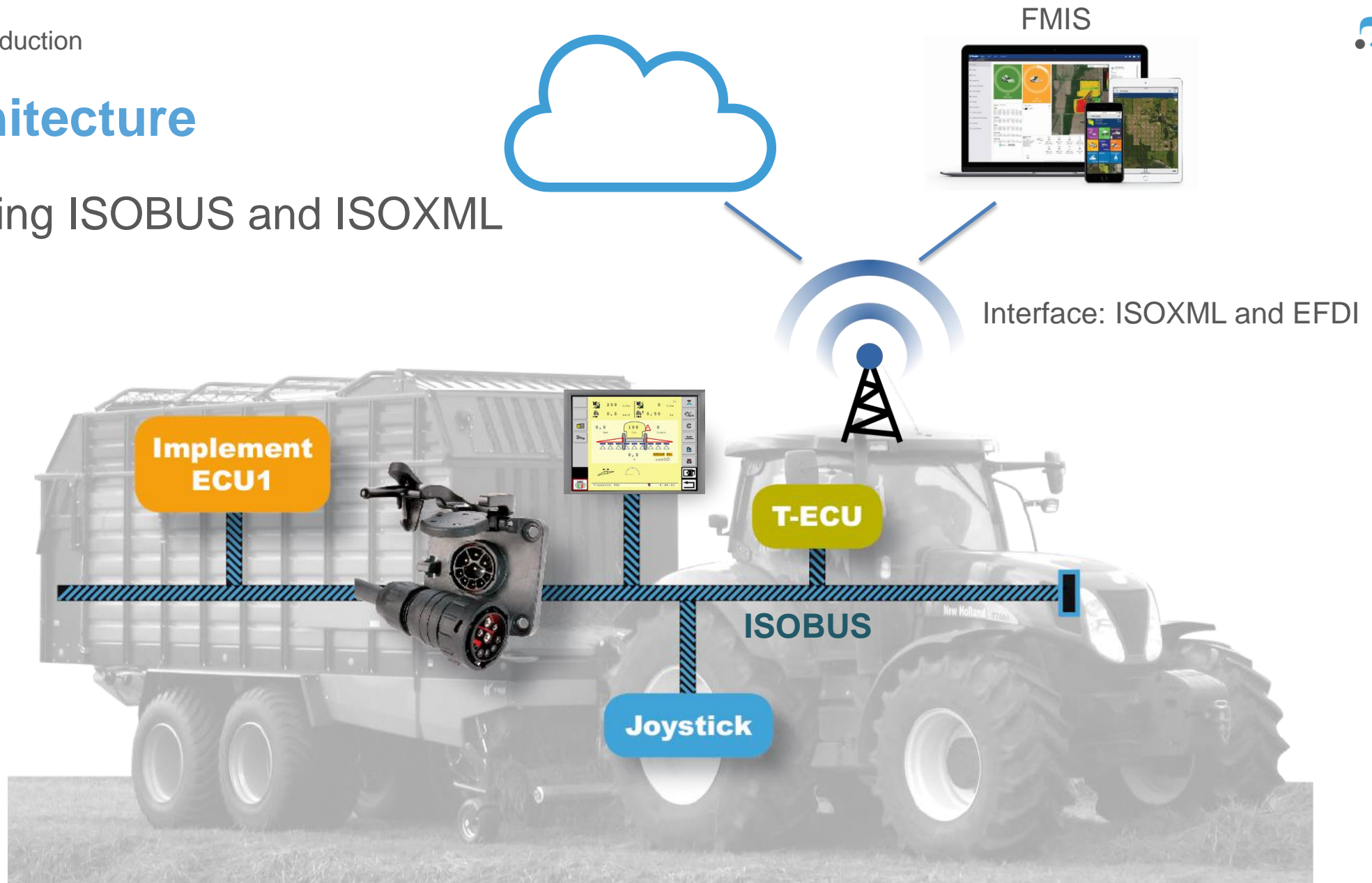


Ag industry landscape – Lots of different tractors and implements



Architecture

→ Using ISOBUS and ISOXML



Complexity and safety is solved by Ag industry manufacturers

- Farmers have to manage all kind of tractors and implements
- Equipment has to be safe



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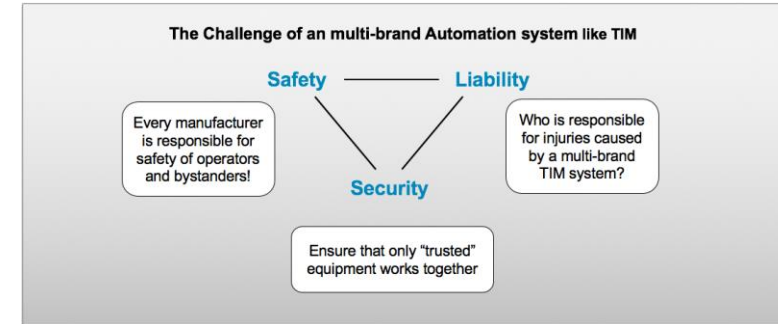
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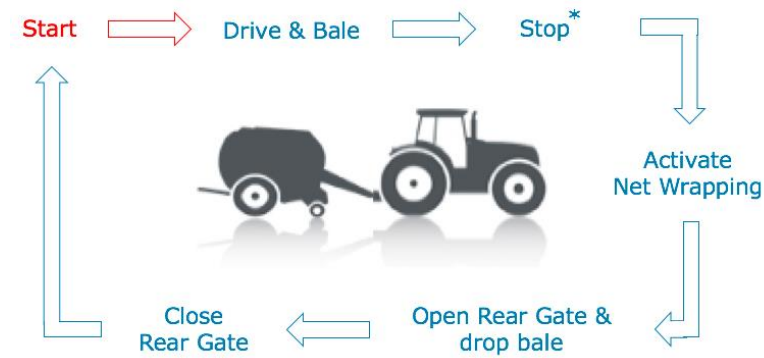


AEF could identify a gap for IoT

- AEF fulfils industry standard for safety
- AEF is filling the gap with guidelines
 - Create compatible and safe Ag equipment
 - Data exchange between machines and FMIS
- Security
 - Provide conformity to ISO25119
 - Manage complex systems
- The IoT landscape needs more emphasis on safety and security
 - AEF provide safe and secure data
 - The legacy from the Ag sector should be considered



Tractor implement management



Thank you for your attention.

Questions?
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