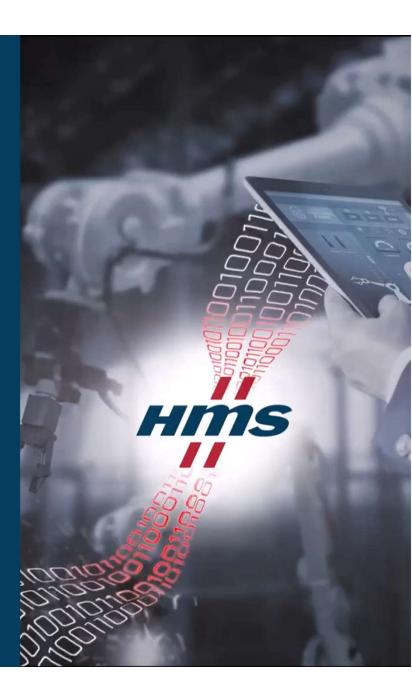
Future Proof Machine Safety From regulation to practice

Yuan Lee Business Development Manager Sep Schraven Key Account Manager



December 2023

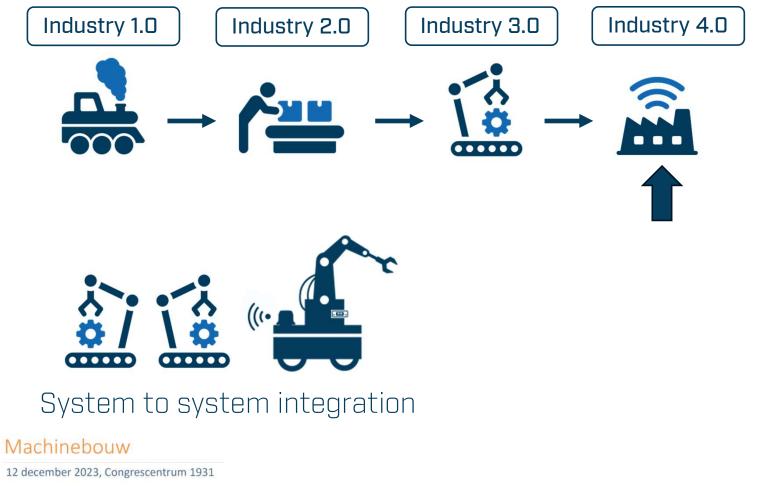


Official announcement – regulation update





Industrial Revolutions





FHI W INDUSTRIËLE AUTOMATISERING Increased flexibility, increased wireless controls





FHI MUNITIE Increased flexibility, increased wireless controls

Didn't we forget something...

.. How to ensure human safety in these increasingly automated and complex environments?

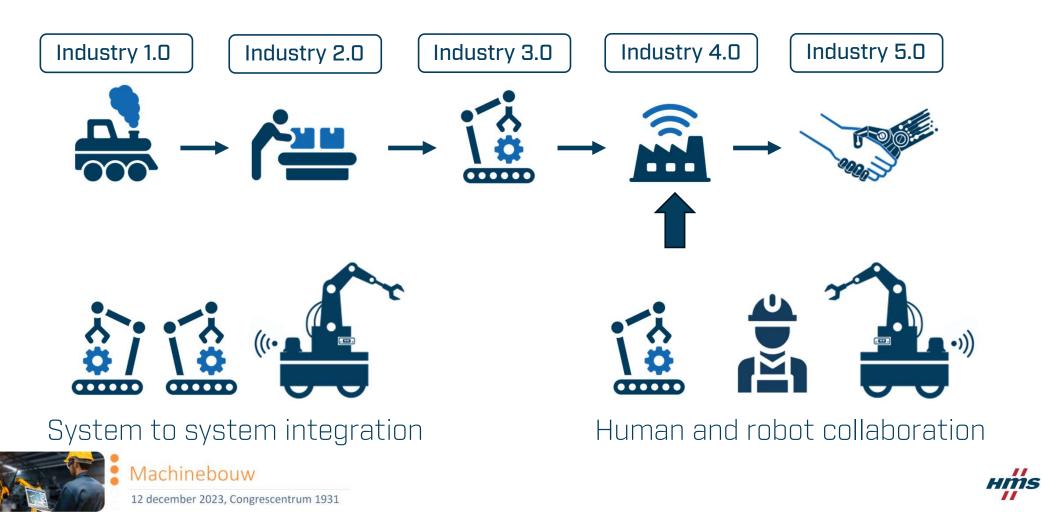
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Industrial Revolutions





New EU Machinery Regulation





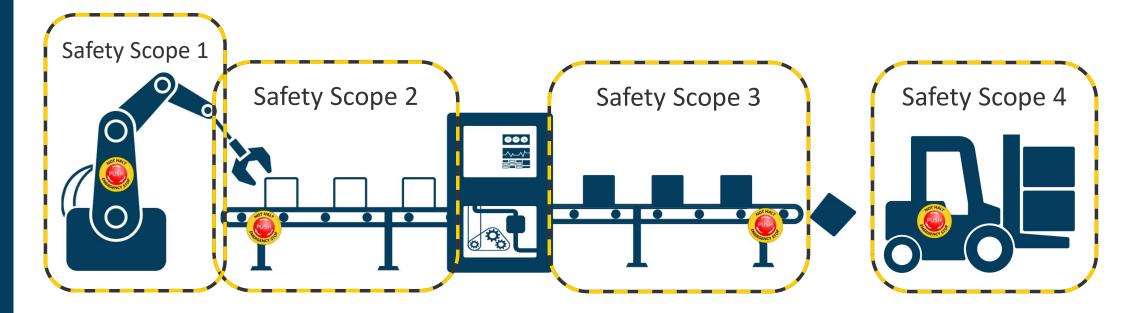
Practically, how does the machine regulation impact machine and shopfloor?





Machine safety today

Safety control based on specific machines or part of machines.



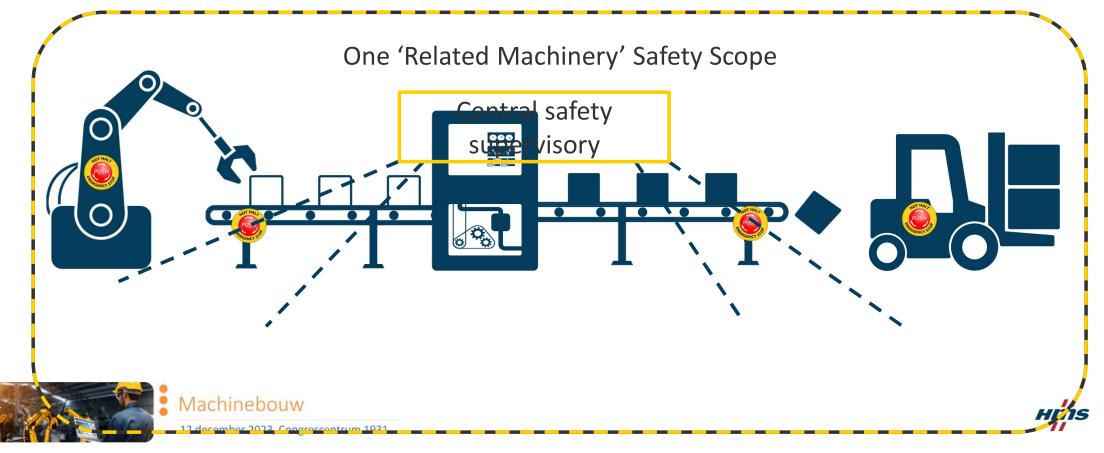






Safety according to new machine regulation

Safety control based on *'machinery and related equipment if it*'s *continuous operation may be dangerous'*



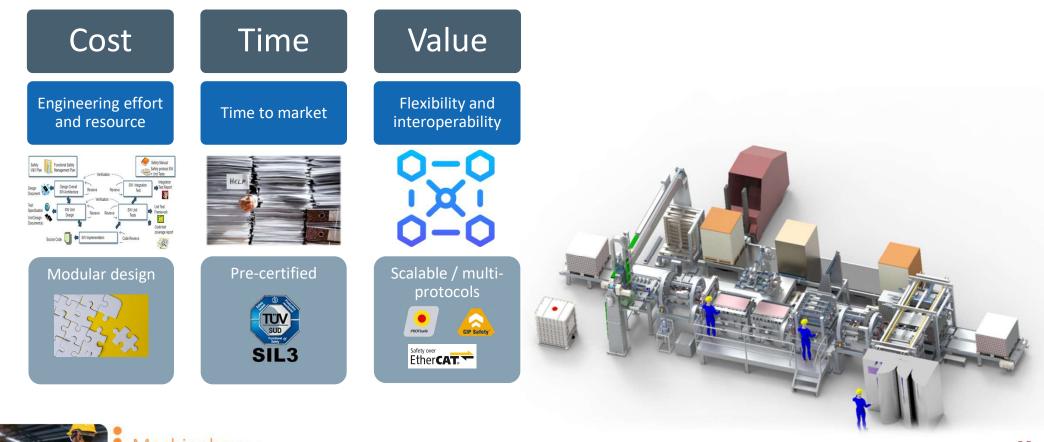


What to take into consideration for coming regulation?





Future Proof your Machine Systems





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The Safebound





Seamless upgrade your safety system



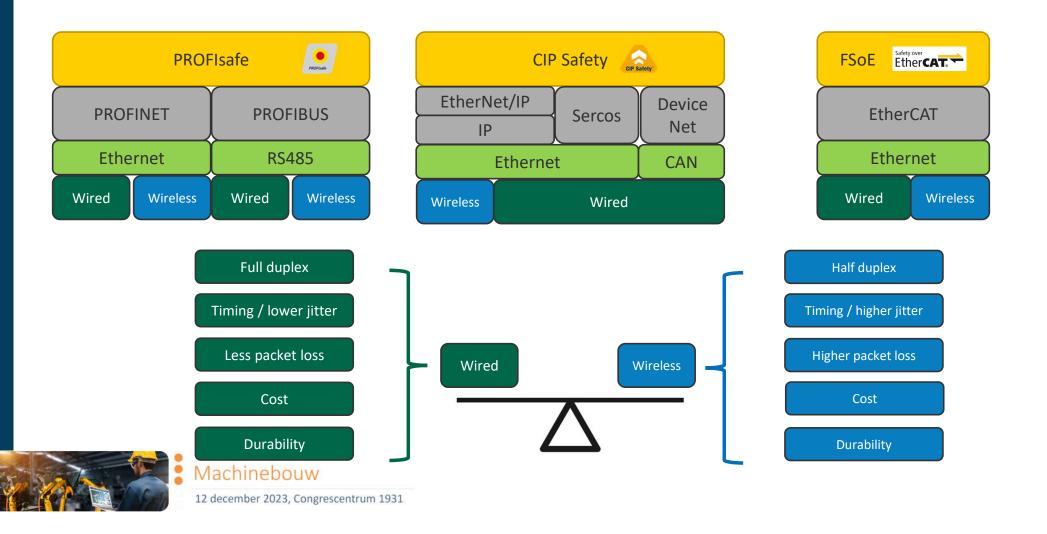


But how can we deal with moving parts wirelessly?





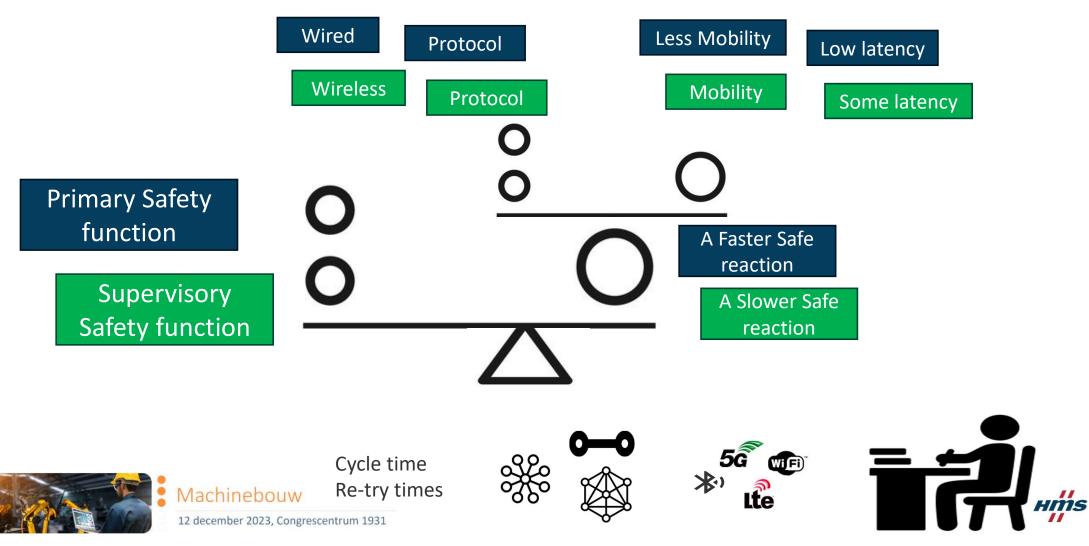
The underlying layer - Protocols



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Adapting communication





The difference HMS makes





Implementation example - machine line

Complient according to machine regulation update



Live demo at the HMS booth, number 3

нms

Solution



Live demo at the HMS booth, number 3

Case study:



Customer: AMR Manufacturer



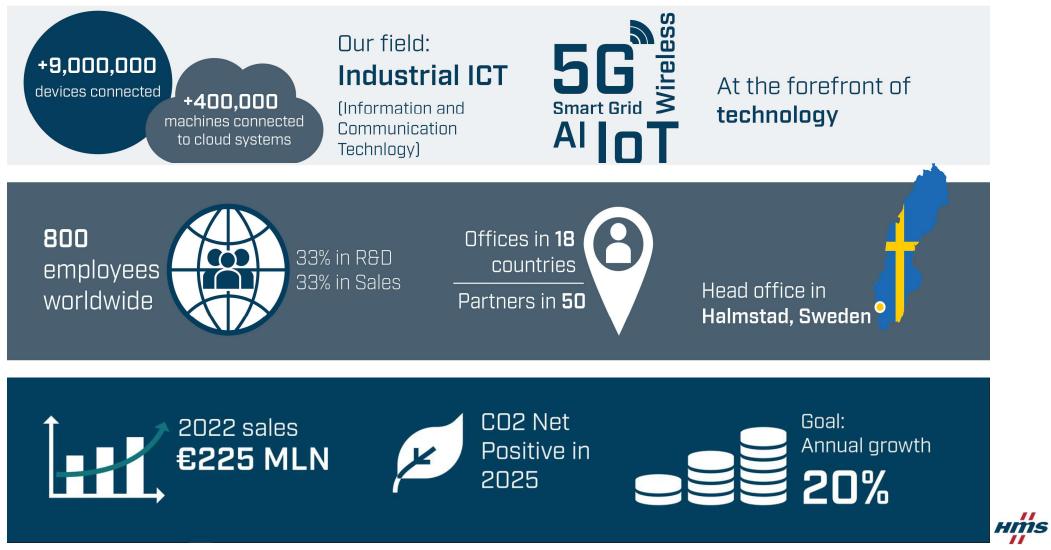
Application: Using HMS solution for remote e-stop which can be integrated with customers' safety infrastructure



Why HMS?

- Pre-certified solution fast time-to-market
- Wide range of support across different safety protocols
- Wireless solution for industrial protocols

HMS at a glance

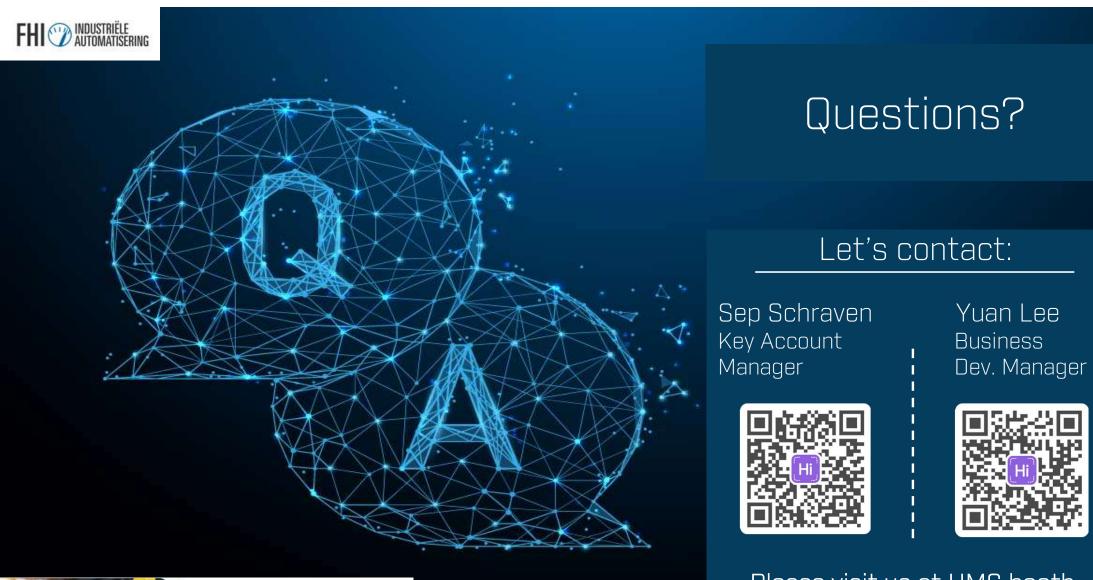




Live demo at the HMS booth, number 3

Key take-aways

- 1. New EU regulation accepted, valid from 2027, as part of CE certificate
- 2. Safety supervisory is introduced in the regulation update
- Safebound is THE solution for direct internal safety loop and delayed (wireless) external safety loop
- 4. Wired or wireless? → Do your homework ☺
- 5. Don't re-invent the wheel, dare to ask!



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Let's contact:

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