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# The future of food & beverage

Building tomorrow's food & beverage plant today

Timo Sipila, Makassar 28<sup>th</sup> March 2019



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**The landscape is changing...**

# The manufacturing sector is facing new challenges

Inaction is not an option...

## Shift in consumer patterns



Increasing price transparency, customized products, batch size one & ever shorter lifecycles

## Regulation and traceability



Increasing regulation and compliance measures require full traceability of manufactured goods

## Aging infrastructure



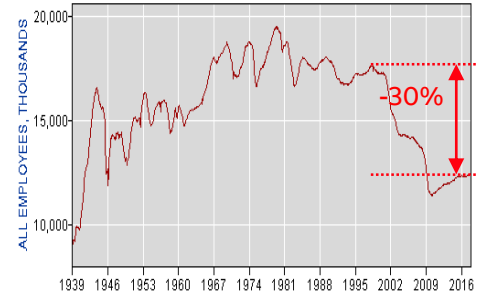
Aging manufacturing infrastructure from pre-digital area prevalent

## Environmental concerns



Societies and new regulations push manufacturers to go green & clean

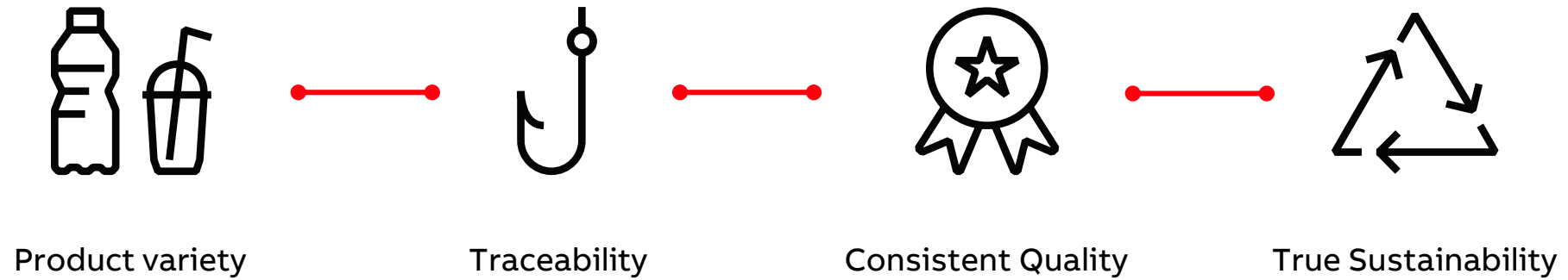
## Aging workforce & skills gap



The manufacturing workforce is growing but far below historical levels

Source: US Bureau of Labor Statistics

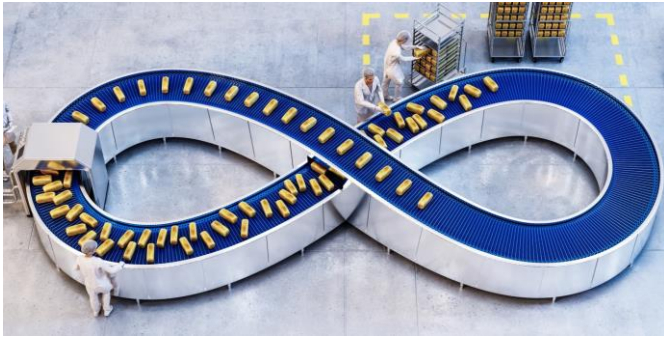
**How do you evolve with the industry and drive success**  
with the pressure on you to provide –



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# You need an experienced partner who understands the big picture expectations

## Efficiency



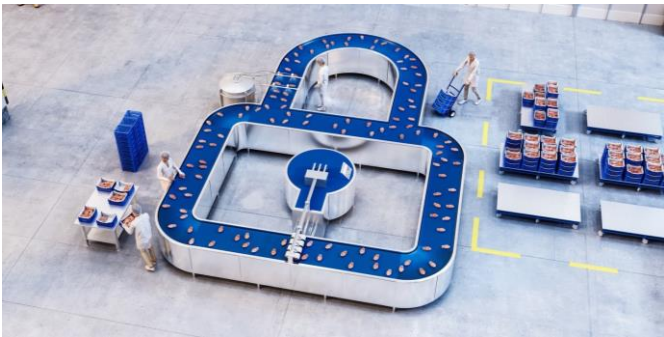
## Digitalization



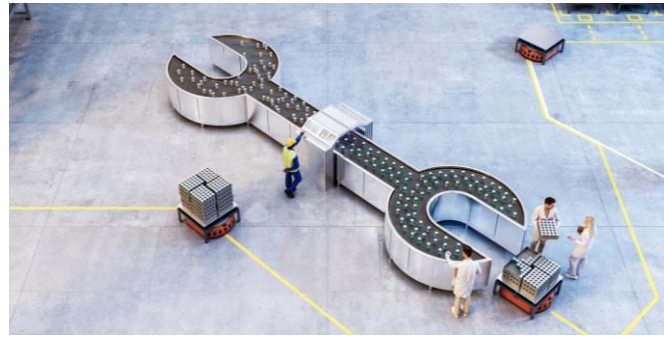
## Sustainability



## Safety



## Reliability



## Quality



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## A partner with a unique approach

Our consultative approach ensures that we arrive at the best solution for your specific needs – even if it's not an ABB solution.



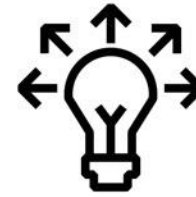
Listen



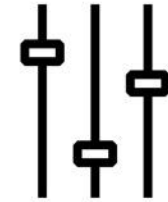
Analyse



Discuss



Implement



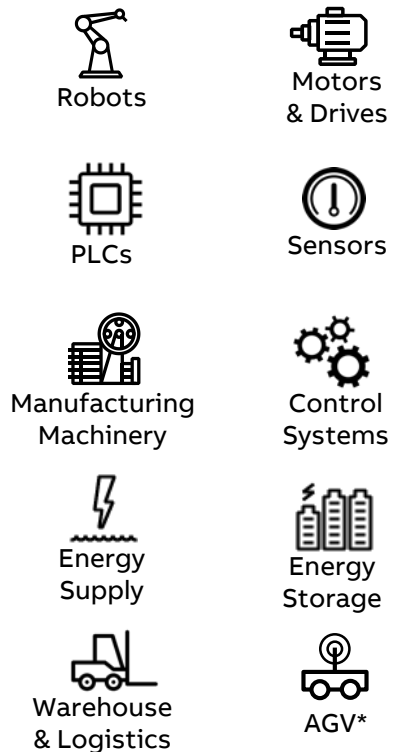
Optimise



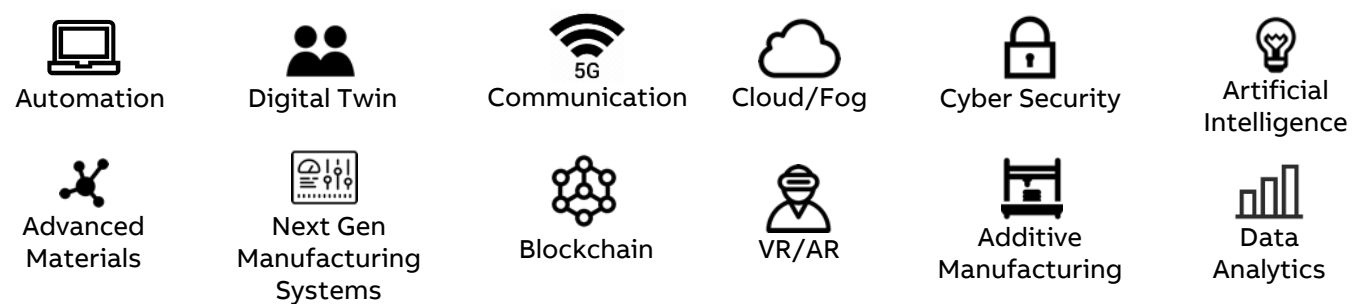
# The new era of manufacturing

Digitalization is a key enabler for making the Industry 4.0 factory a reality

## Manufacturing Assets



## Enabling Technologies



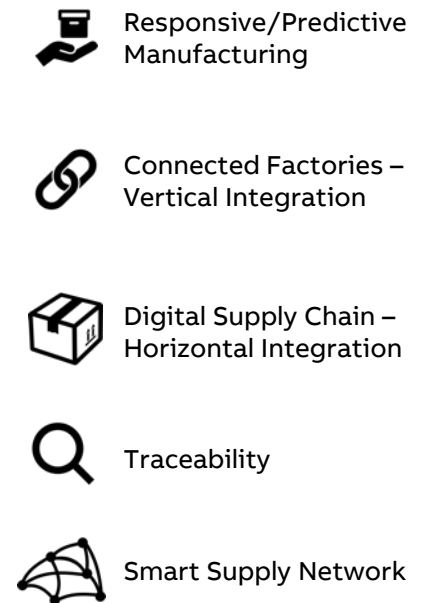
Makes use of new technologies



Monitors  
Aggregates  
Analyses  
Understands  
Controls

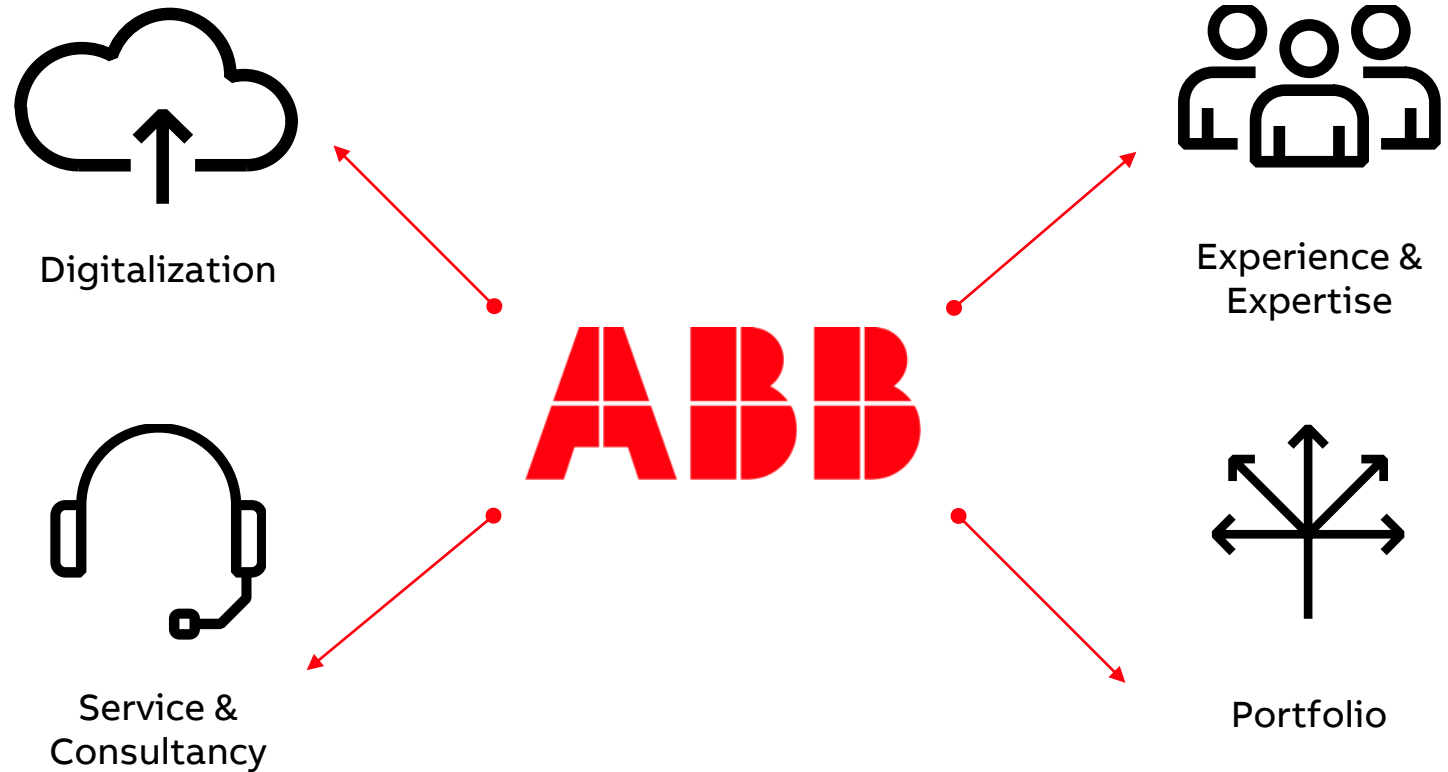
Enables new solutions  
Enables new services  
Enables new business models

## New Capabilities



# No challenge is too great

With our approach, capabilities and combined experience, we can find the solution together.





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**So let's talk**



**ABB**