

Accessing 137 years of installed base

- Connects products and plants to FLSmidth's digital infrastructure
- Seamlessly integrates with FLSmidth's control systems, making existing data and signals available
- Easy to retrofit





SiteConnect Insights on the go

- Full transparency on machine, process, and plant KPIs, in real-time
- Mobile notifications when user-defined events occur, e.g. downtime and production shortage
- Compare performance between assets and plants to identify higher/lower performing equipment





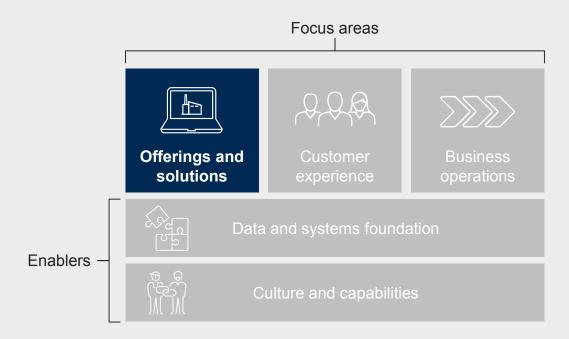
Key messages

- Process optimisation and asset health are key areas to drive productivity and sustainability for our customers - FLSmidth is enabling our customers to use this opportunity through digitalization
- FLSmidth is leveraging digital to differentiate our premium offering and capture a larger part of the service business
- We are driving innovation in digital and extending our access to new technology, talent and competences in Cement and Mining



Today's focus:

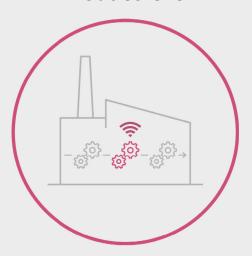
Our offerings and solutions



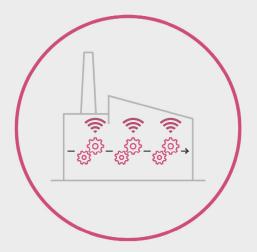


Our digital solutions target three levels

Product level



Flow-sheet level

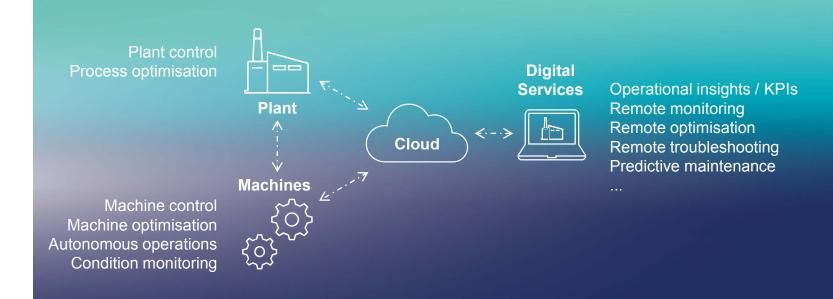


Plant level





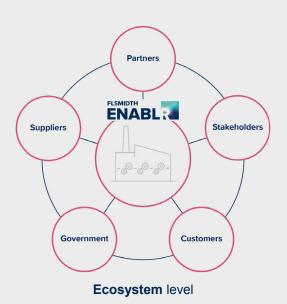
Our digital business offerings







Outlook: full end-to-end integration Part of a greater ecosystem



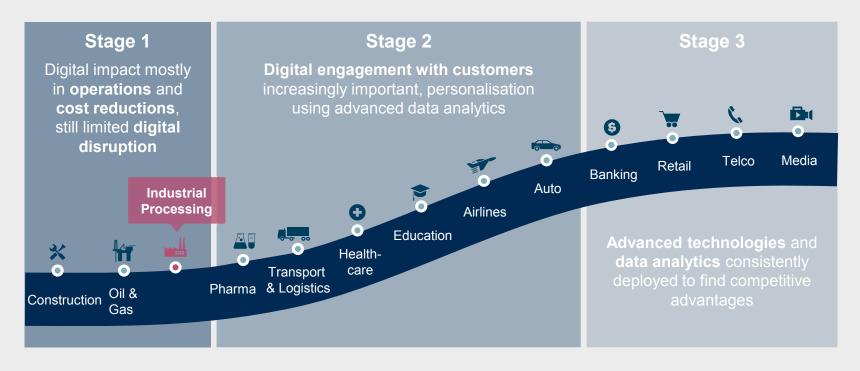
Integration upstream and downstream adjusting production to balance supply and demand

Building and orchestrating an **ecosystem**, leveraging platforms and blockchain



Cement and Mining catch up in digital adoption

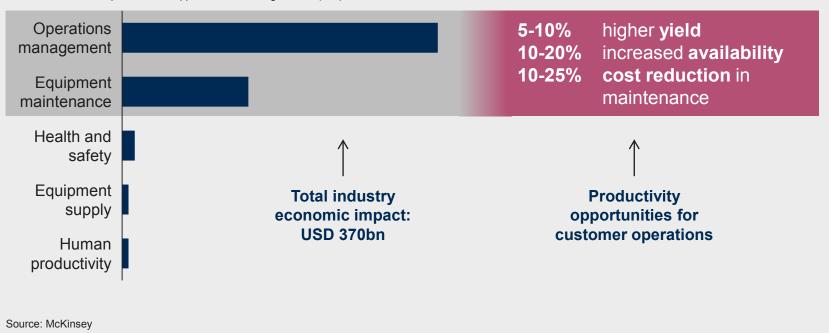
- many other industries to learn from





Digitalization is a productivity opportunity Value for our customers

Potential economic impact of sized applications in Mining in 2025 (\$bn)



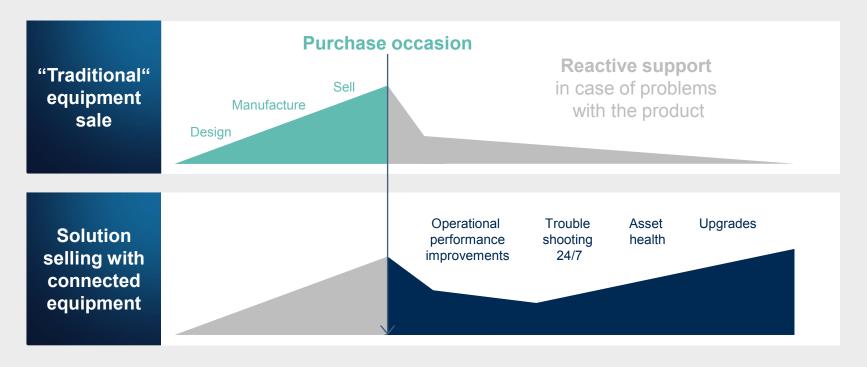


Cannibalisation is a business opportunity

FLSMIDTH Equipment lasts longer and performs **ENABL:** better, reducing CAPEX spend Condition monitoring and predictive New bus. New data-based opportunities maintenance reduce OPEX spend Increase sales and market Connected coverage through new, digitally equipment enabled premium equipment **Equipment Equipment Increase wallet share** on existing Smart equipment through connectivity services Services and closer customer relation **Services**



Value creation: previously the product was the end of the user experience – now it is the starting point







FLSmidth's unique position

Combining product, process, service and digital

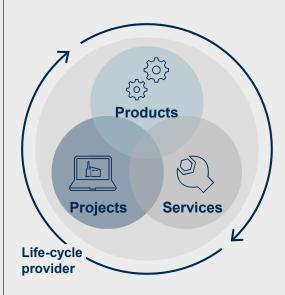


Product, service, process knowledge

Improve maintenance and operational procedures

+ digital and analytical knowledge

Data-driven optimisation and finetuning, implementation through control systems





FLSMIDTH ENABL

Example: Flotation optimisation in Mining Improve recovery & reduce reagents consumption



"Smart Flotation" package

- Improves recovery
- Delivers higher grade product
- Enhances flexibility
- Reduces use of reagents
- Improves control

Economics

- Recovery rate up 3.0%
 → up to DKK 20m
 revenue increase p.a.
- Reagents consumption reduced by up to 25%
- **Productivity**
- **Sustainability**
- Service opportunity for FLSmidth



Example: Fabric Filter optimisation in Cement Reduce power consumption and increase bag life





EVO II machine control system

- Reduces fan power and compressed air consumption
- Extends filter bag life
- Enables remote filter monitoring and finetuning
- Easy to retrofit

Economics

- 10-15% energy savings¹
- 25% longer bag life
- Bundling with service contracts and filter bags
- **V** Productivity
- **Sustainability**
- **✓** Service opportunity for FLSmidth



^{1.} Energy savings depending on filter size

Number of connected assets grows continuously





Status

- >750 assets connected last 12 months
- >200 plants served with remote monitoring and optimisation service packages

Outlook – next 3 years

- All new equipment is connected
- 25% of installed base retrofitted



Driving innovation in Digital

Access to new technology, talent and capabilities

Partnerships

Partner with market-leading providers of digital technologies and solutions to **pilot** and scale applications

Intrapreneurship Identify and incubate new business models based on expertise at the core of our business

Investments

Invest in edge and transformational technology models that will be relevant for FLSmidth in the future

Focus technologies

Artificial Intelligence

Data Analytics

Internet of Things

Blockchain

Sensors & Components

Adv. Materials & Chemicals

Robotic Systems

Resource Productivity



Thank you

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