

Digitalization @ Process Industry

Unleash the potential of Digitalization

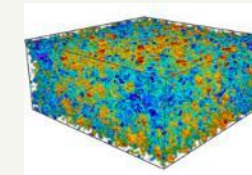
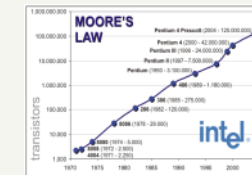
Digitalization will speed up changing the entire industry!

The megatrend Digitalization ...

- covers all areas of consumer life and
- will continue to change the entire industry sector (products, business models) in a disruptive and sustainable manner!



Current drivers of the Information and Communication Technology



- Computing power
- New sensors
- Virtualization
- Cloud computing
- Ubiquitous networking
- Simulation
- Augmented reality

Current Issues in the Process Industry

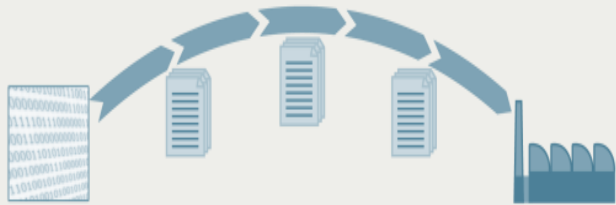
How do you manage your **plant data** over the entire plant lifecycle?



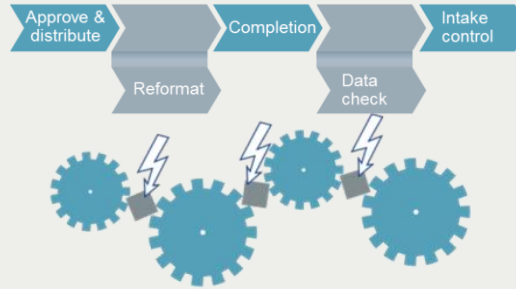
And how do you use the **benefits of digitalization** to your advantage?



The required information transition approach



“Building the plant”



“Building the plant (smarter)”



Eng. and Operating the plant

Working to make documents

- Will not enable future requirements or needs!
- Focused on delivery.

Working to make data

- Limits future solutions and functions.
- Does not fully increase asset value.
- Focused on engineering.

Making data work !

- Non- limited foundation for future
- Continuous increment of asset value by adding & managing data.

Perfect Interplay

Product design

Process & plant design

Engineering & commissioning

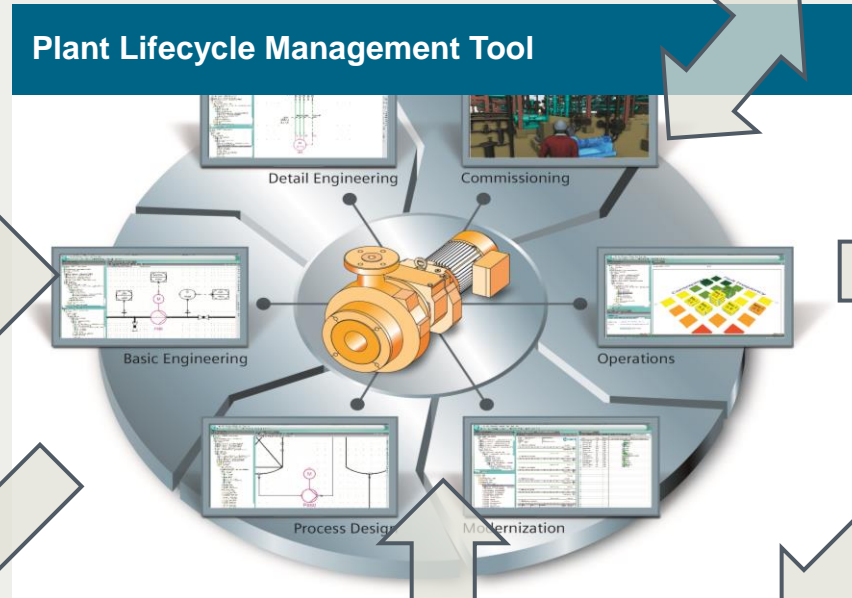
Operation

Service

SIEMENS
Ingenuity for life

Maintenance and Operator Training

Simulation Framework

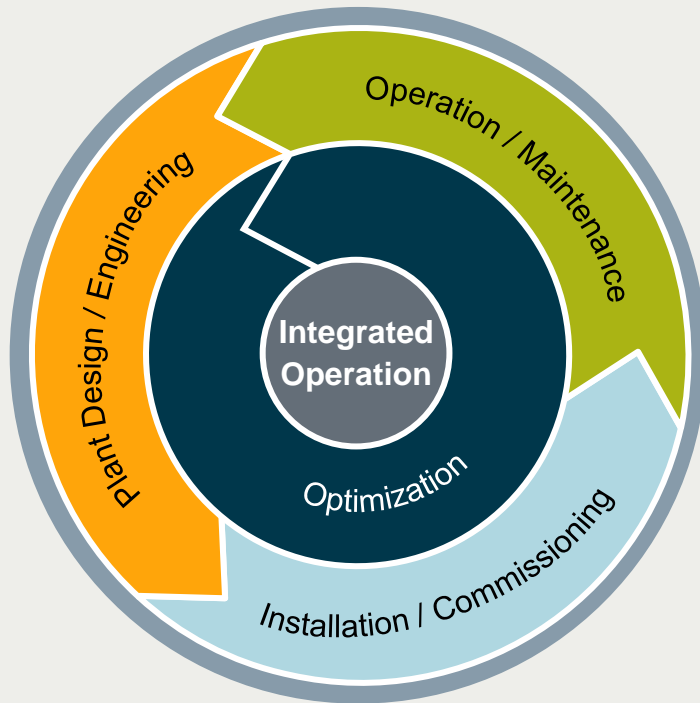


Integrated Control & Safety System

Information Management

also other sources

Field Level



Integrated Engineering

Integrated Operation

Continuous Optimization

Documentation always "as-is"

Digital Twin

etc, etc

Interesting topics, lots of possibilities and this is just the beginning!

Thanks for your attention!