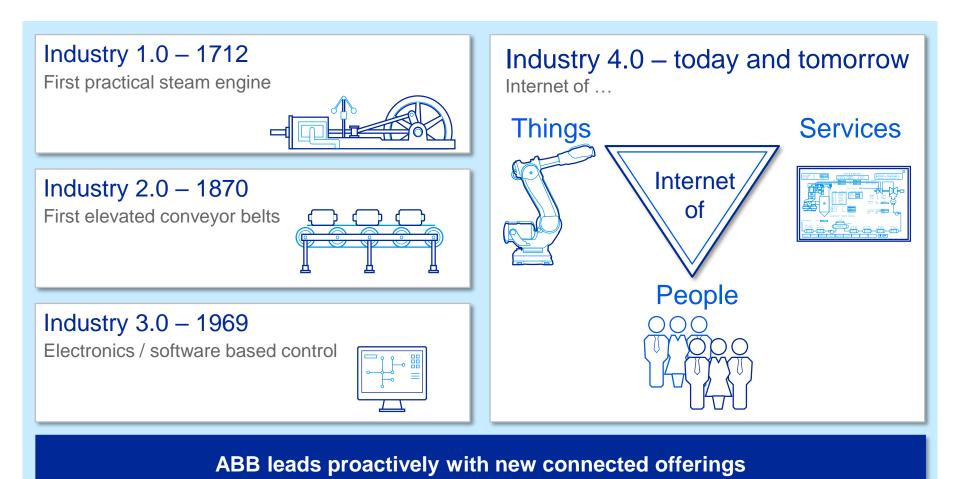


Dr. Christopher Ganz, ABB Technology Ltd, Group Service R&D Manager

Internet of Things, Services and People Opportunities for Advanced Services

The Internet of ... Global trend – 4th industrial revolution





The Internet of Things ABB things

Things

The Internet of Things (IoT) is the network of physical objects or "things" embedded with electronics, software, sensors, and network connectivity, which enables these objects to collect and exchange data [1]

The Internet of Things allows objects to be sensed and controlled remotely across existing network infrastructure [2]

Smart, communicating devices by ABB

Robots



Motors



Switchgear

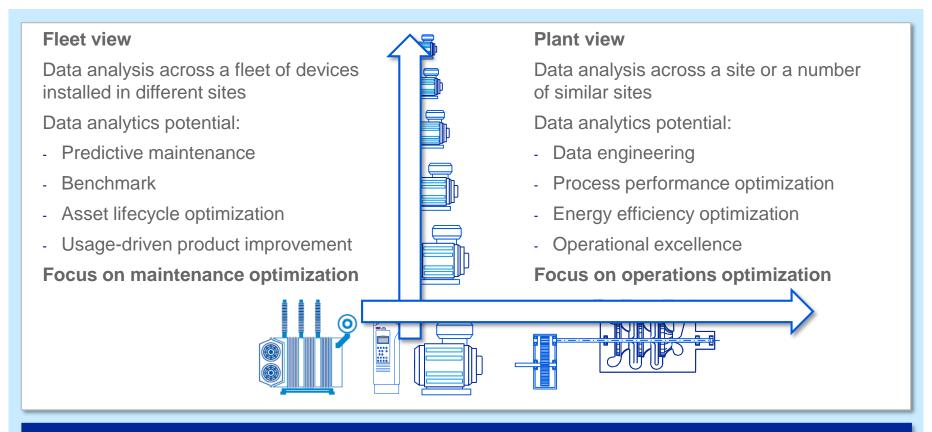


Controllers





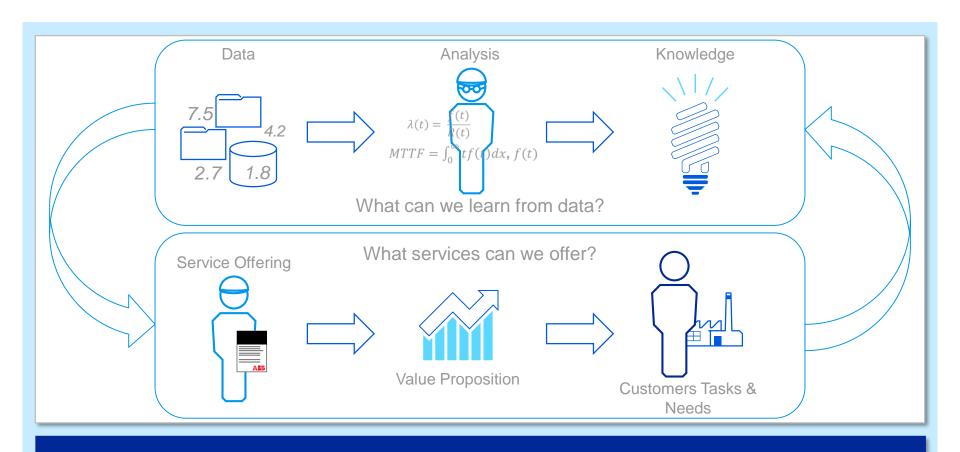
Optimizing maintenance and operations Combining plant view with fleet view



Unique combination of asset focused maintenance optimization vs. plant focused operations optimization



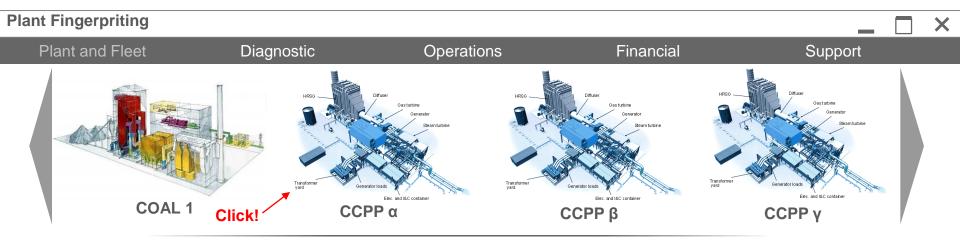
Remote services Data driven services



Customer's Tasks and Needs driven Value Proposition shall define analytics solution

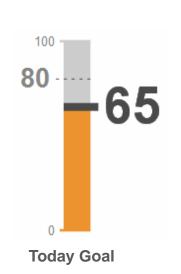


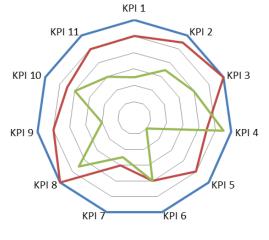
Plant Fingerprinting, how it looks like: Fleet level



My Fleet KPIs



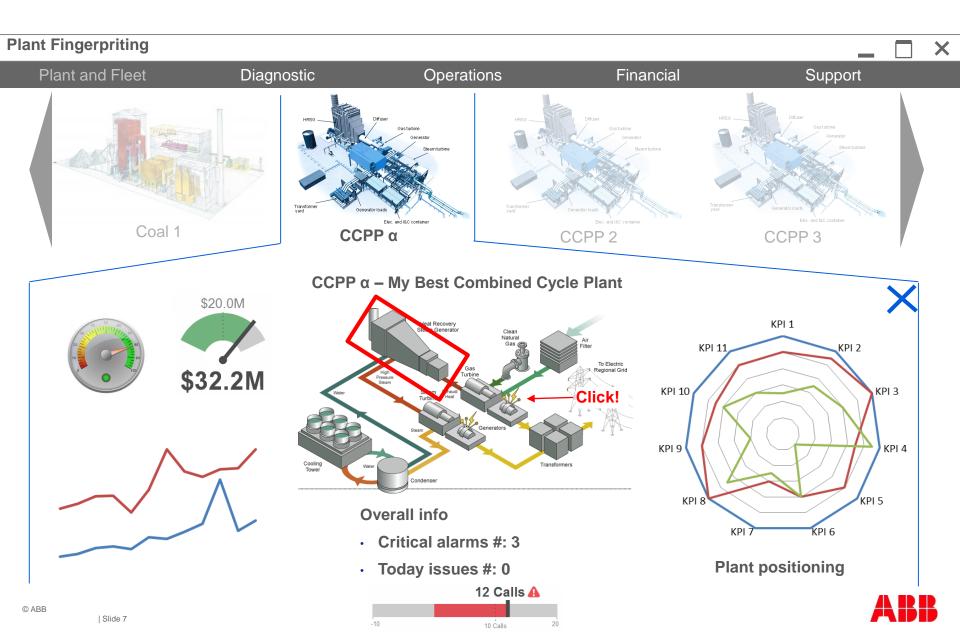




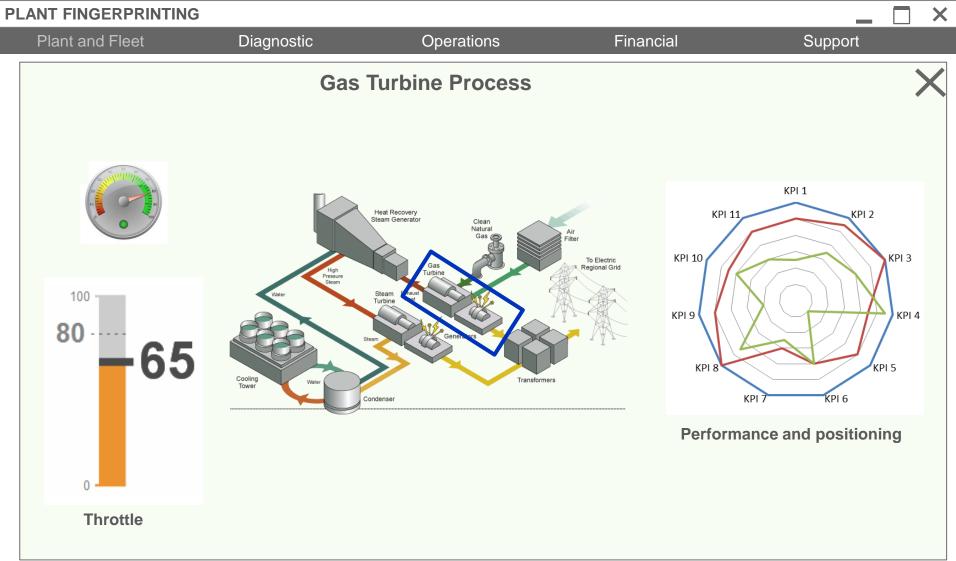
My fleet positioning



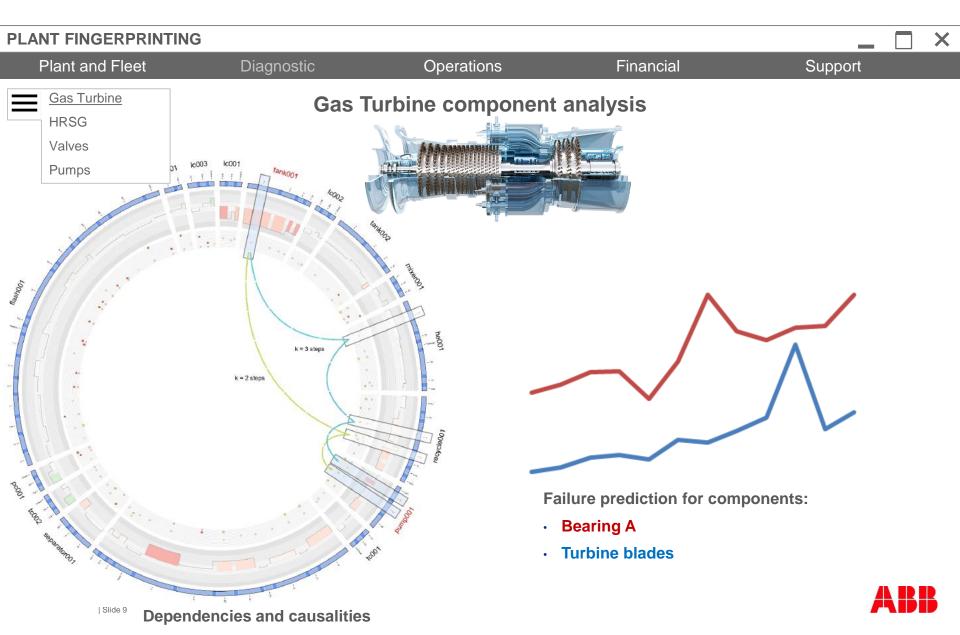
Plant Fingerprinting, how it looks like: Plant level



Plant Fingerprinting, how it looks like: Process level



Plant Fingerprinting, how it looks like: Component



Power and productivity for a better world™

