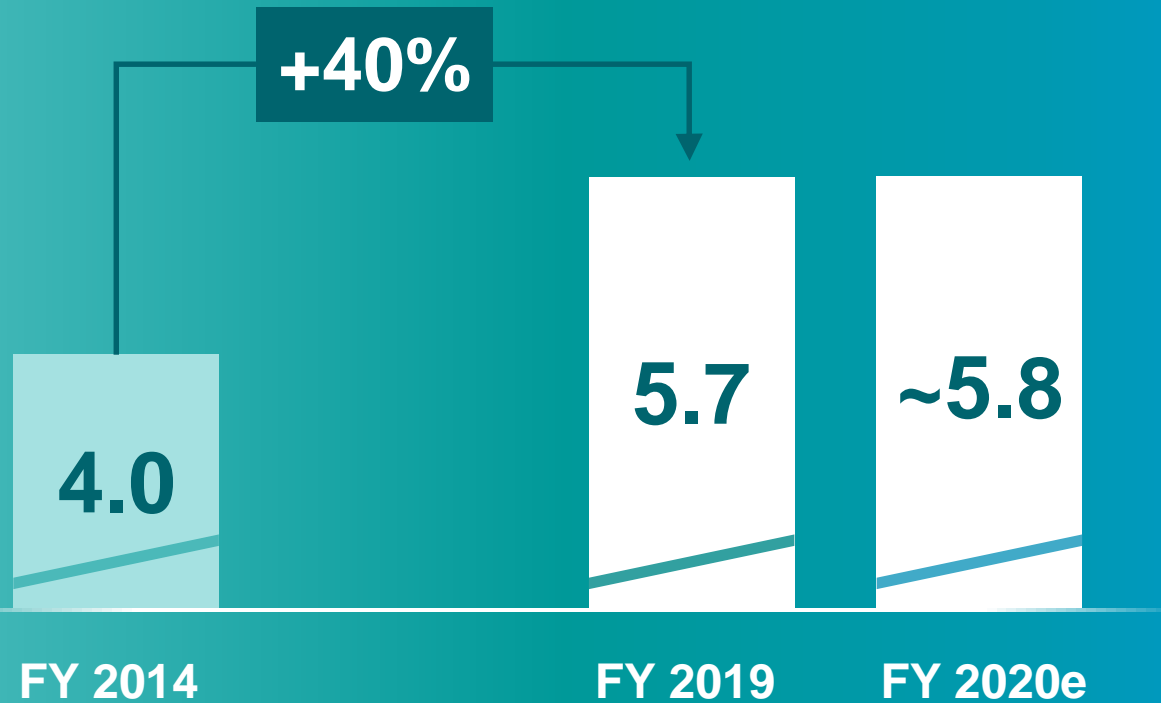


Innovation for the Industry of the Future

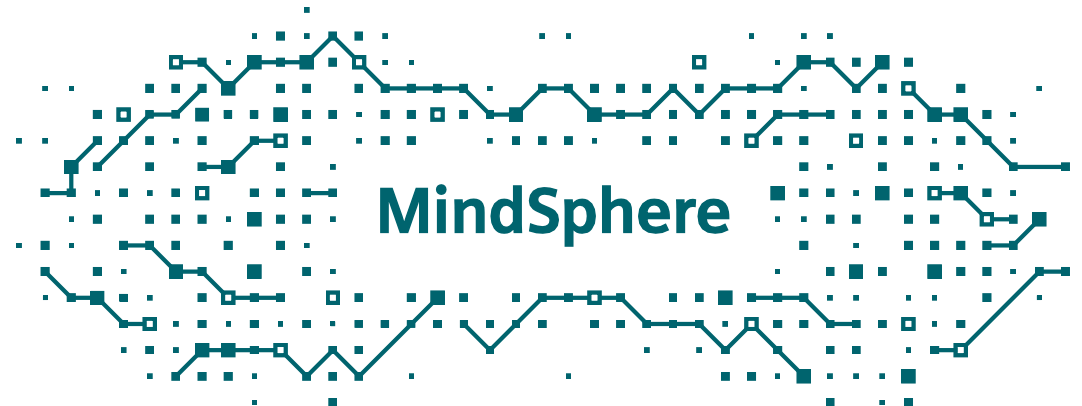
CNI-SOSA Partnership meeting
Dr. Norbert Gaus | July 1, 2020

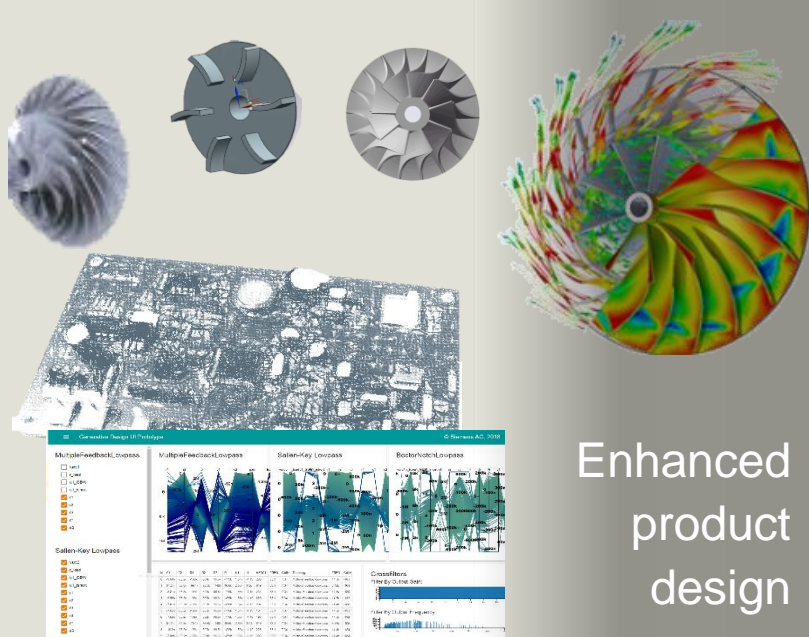
R&D spending
in billions of €



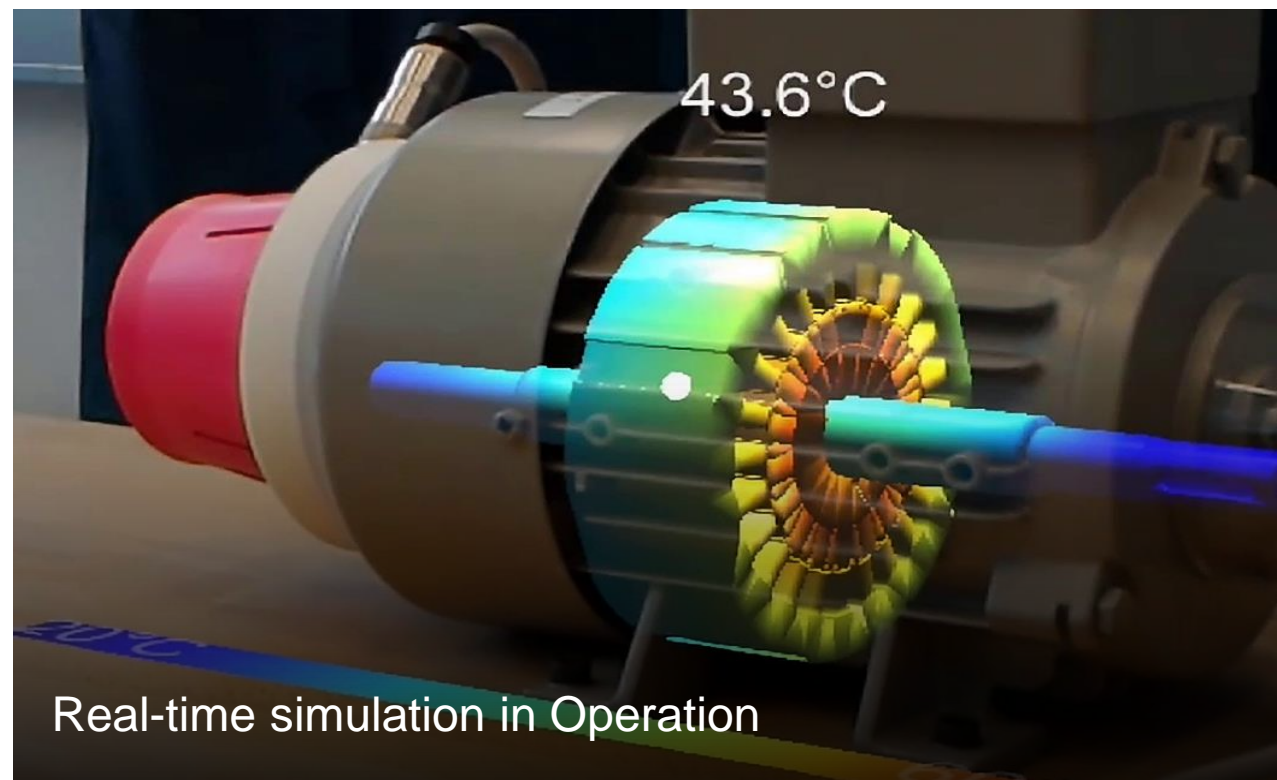
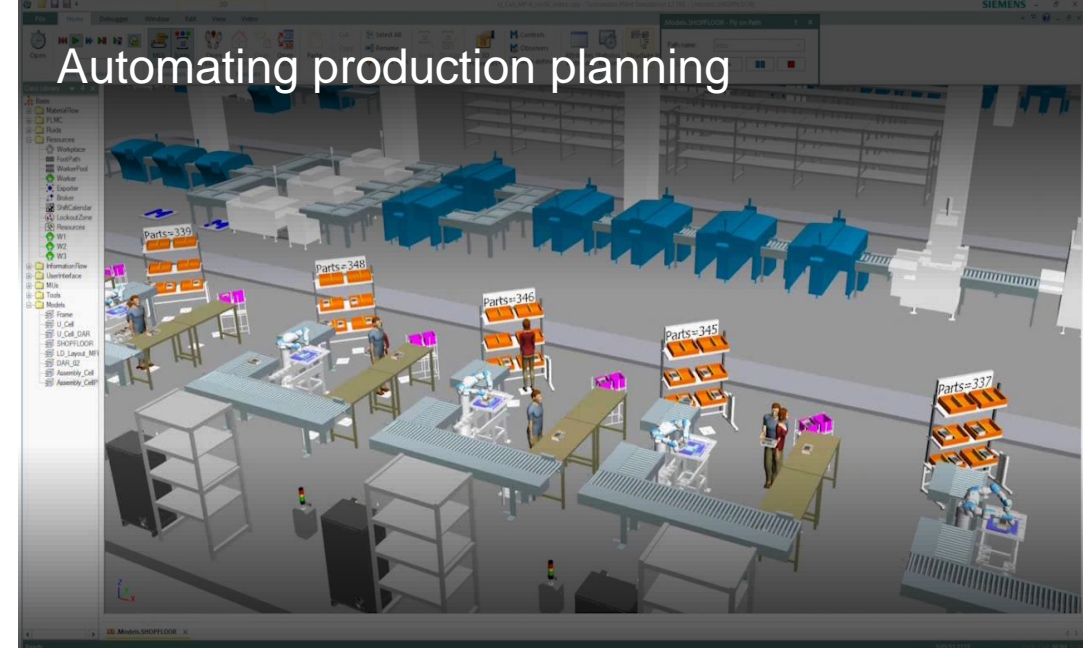
**Innovation
is the basis
for success**

Siemens drives IoT@ Scale

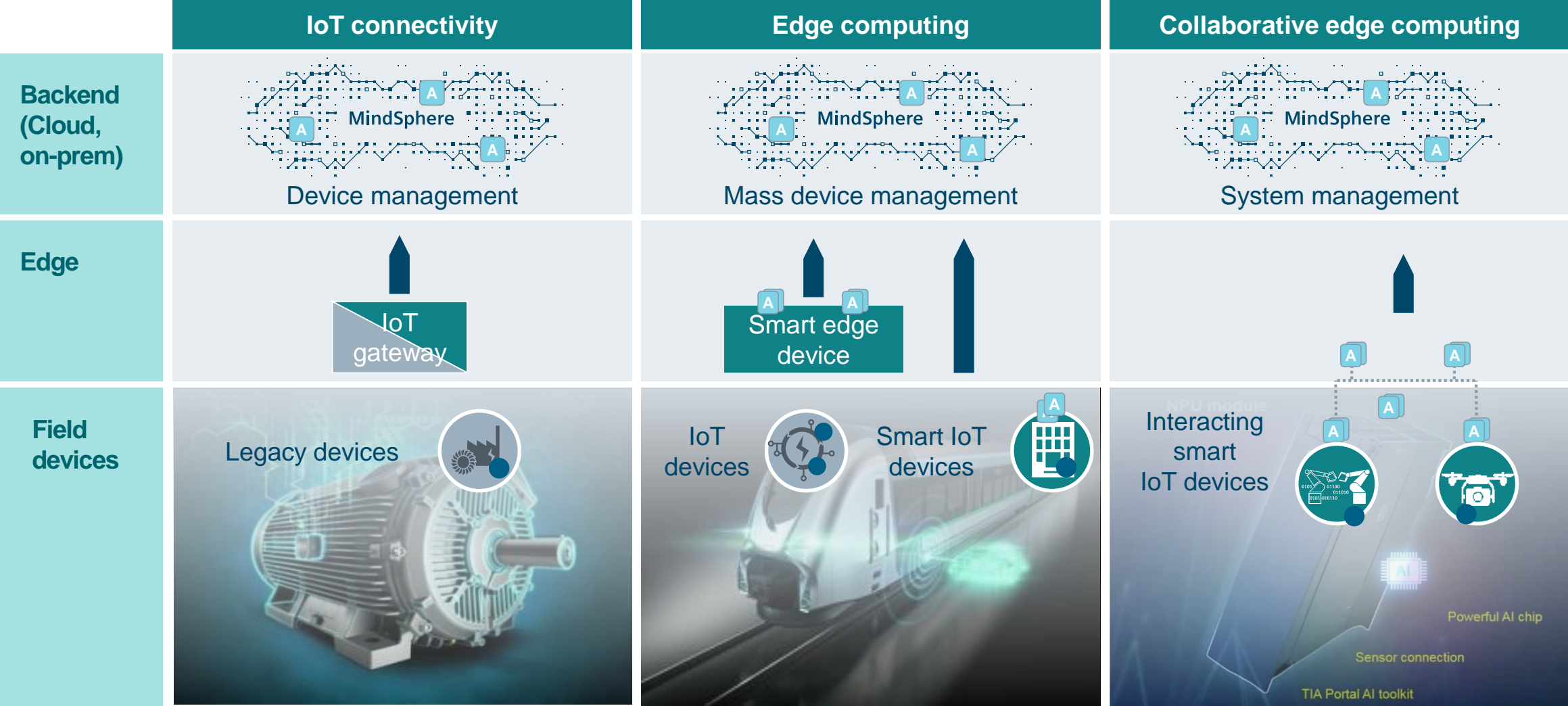




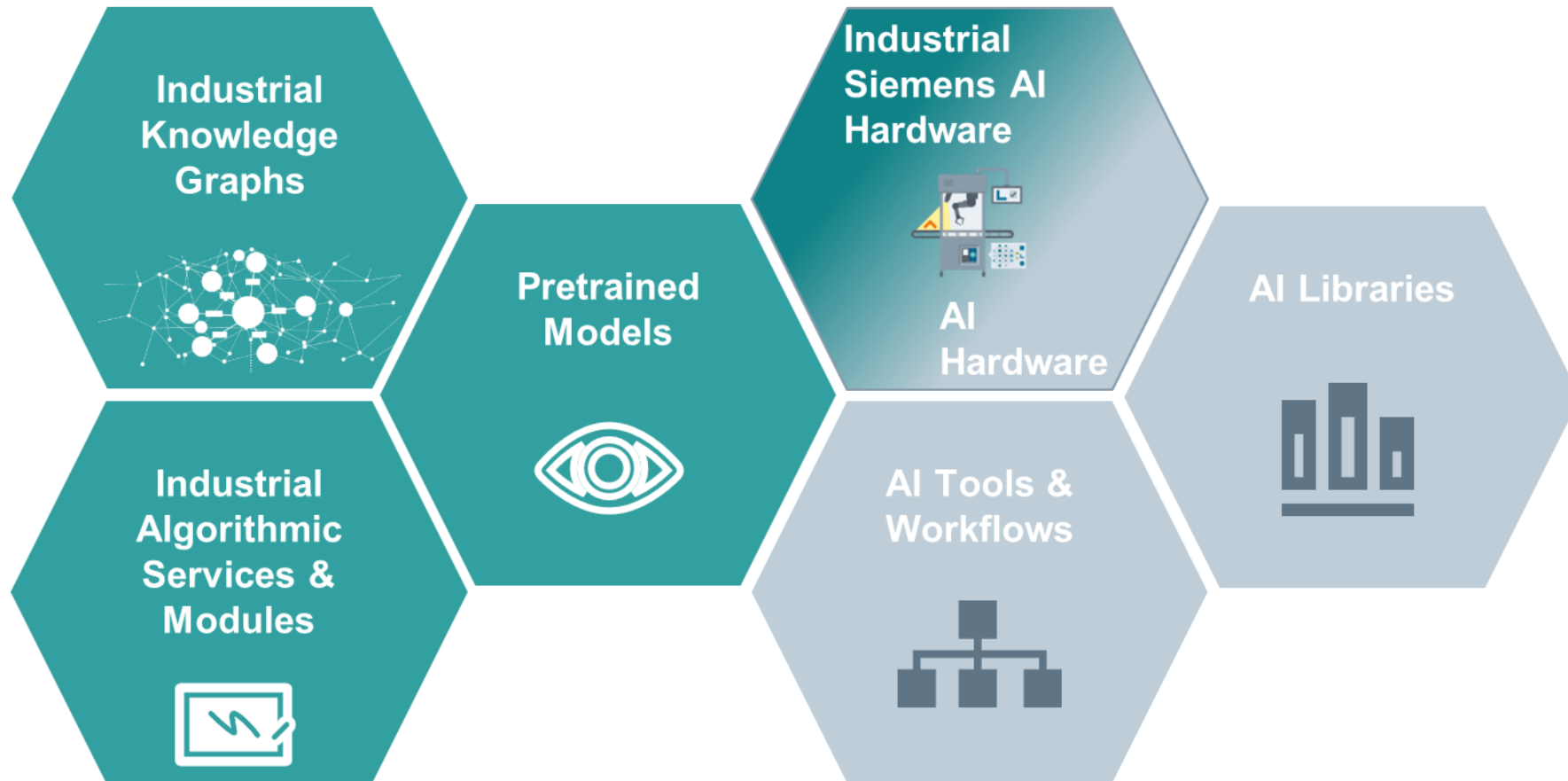
Make digitalization work



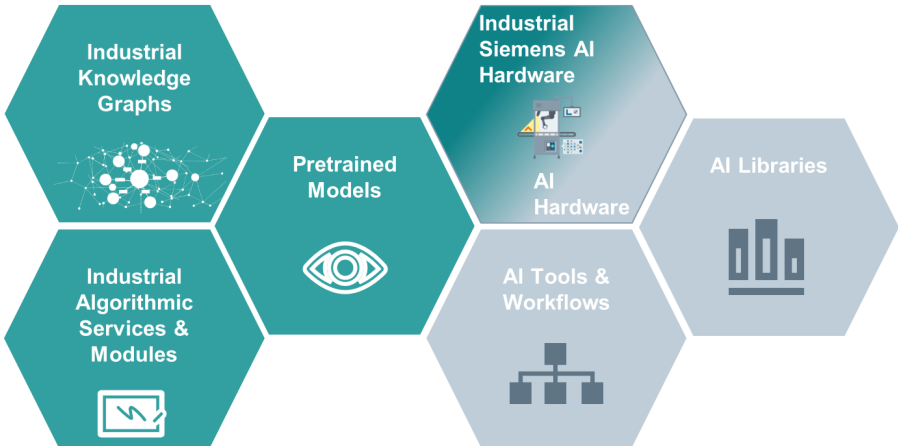
Seamless edge-to-cloud computing



A framework for rapid adoption of industrial AI



Reusable AI building blocks to scale AI



SIEMENS
Ingenuity for life



Teaching trams to drive autonomously



Optimize & Analyze processing time and quality



Preventive Maintenance using AI for Oil & Gas



Remote Outage
Support

SIEMENS Industrial Circuit Client Online Joseph Newman | English

Disconnect Configuration Start Record Swap Camera controls

Active Conversation
None

Remote Factory Acceptance Test

Industrial AR-VR

The focus areas of our research and development



**Additive
manufacturing**

**Autonomous
robotics**

**Blockchain
applications**

**Connected
(e)mobility**

**Connectivity
and Edge**

Cybersecurity

**Data analytics,
artificial intelligence**

**Distributed
energy systems**

Energy storage

**Future of
automation**

Materials

Power electronics

**Simulation and
digital twin**

**Software systems
and processes**

Open innovation is the new normal – to bring more innovations much faster to the market



Crowd-sourcing of ideas

Interchange and collaboration platforms

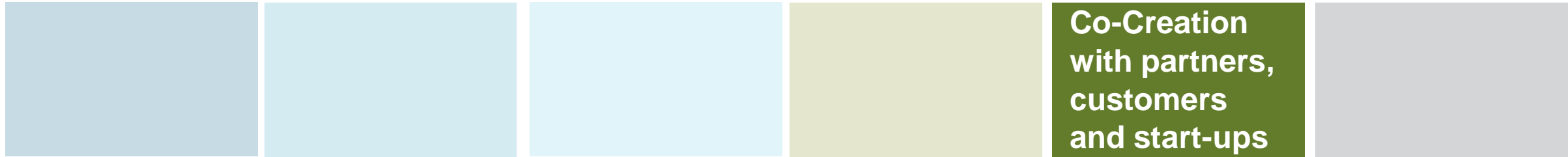
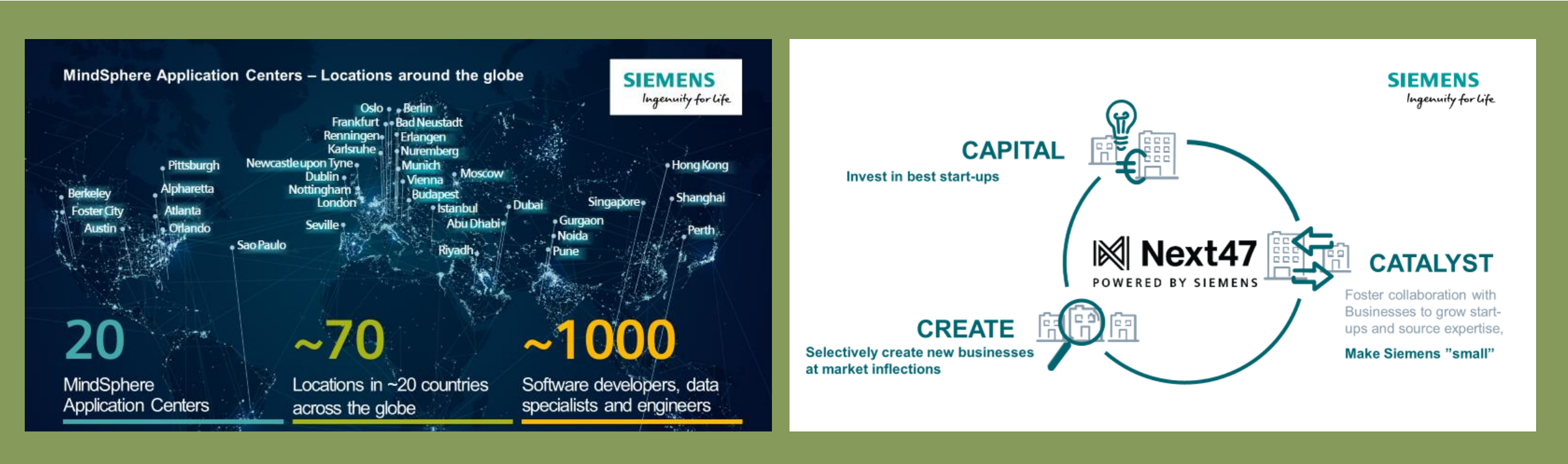
Open-source development model

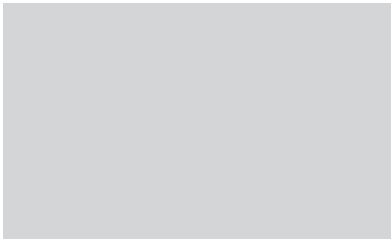
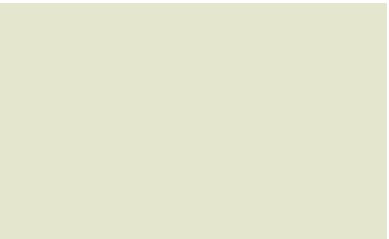
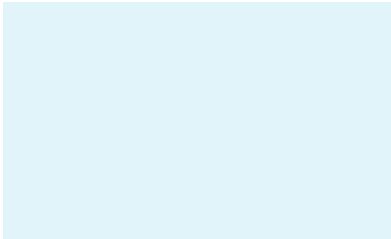
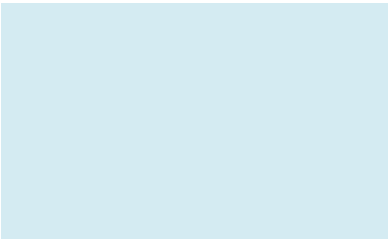
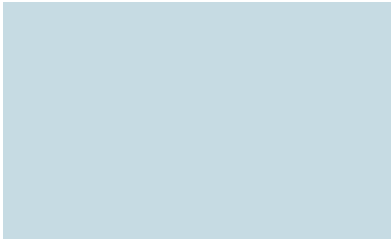
Partnerships with universities and research institutes

Co-Creation with partners, customers and start-ups

Cooperation with governmental partners

Open innovation is the new normal





Thank you.