

How technology innovation enables you to create value with data

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**Business
Services**



New business ecosystems are driving unprecedented enterprise data growth



60%

of data will be generated
by enterprises by 2025
(vs 30% today)



The global datasphere
will grow to

175

zettabytes



Billions of IoT devices
are expected to generate

90 zettabytes of data



30%

of data will be real-time
(versus 15% today)



600%

the year-on-year
growth in IoT security
attacks in 2018



97%

of firms say OT/IT
convergence is creating
security challenges



Business ecosystems data challenges

#1

Enabling data utilization



How can you
analyze data in
real-time?



How should you
store data over the
long-term?



Data has value in real-time and when stored over time...



...this creates different data processing challenges

On-board and roadside AI for collision avoidance



 UTAC CERAM

**5G, on-board and
road-side AI**

Personalized entertainment and telematics



TOYOTA

**4G,
Wi-Fi hotspots**

Sense and react
Real-time data

Predict and plan
Stored data

We're enabling the real-time enterprise...

**Real-time
data collection
with dedicated
SLA**

**5G
slicing**

**Edge
computing**

**Local
data processing
with Edge**

By bringing processing power closer to the user

We ensure you can transport, store and process data in the most efficient way...



Seamless, secure data access and integration across multiple data silos



40

petabytes of earth
observation data

Big data analytics

foster innovation and
new business models



sobloo

3rd biggest
European data lake

Virtualization, networking,
computing and storage

Business ecosystems data challenges



#2

Providing secure third party access to data



**Operational
Technology**



**Information
Technology**

2019 trends in cyberdefense

**Security
infrastructure**



Cloud



46.6%
CAGR to
2022

**From IT to
OT security**



**Value chain
cyberdefense**



77%
OT security
spending
increase

Threat detection



AI-enabled detection



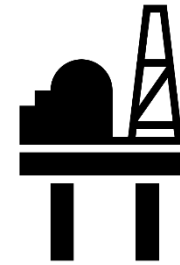
197 days
To detect a
data breach



Next Generation Security Operations Centre (CyberSOC)



Automated suspicious email analysis tool



**Workforce flags up
suspected scams.
Automation investigates**

Enabling business ecosystems for co-innovation in the “Internet of Enterprises” era



1

**Sense and react for
real-time decision
making**

**5G, edge
computing, AI**



2

**Predict and plan for
strategic decision
making**

**SDx, multi-cloud,
data lakes, AI**



3

**Value chain
cyberdefense
– protect OT and IT**

**OT/cloud security,
threat intelligence,
CyberSoc and AI**



**Companies
thrive
on innovation.
We work to
shape yours.**