

Atos IoT - Smart Cities and Connected Vehicle

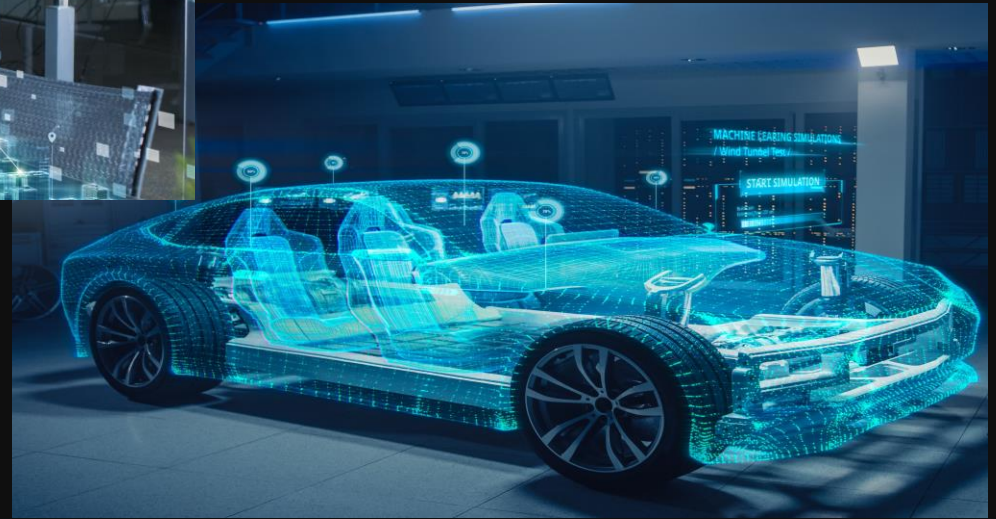
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Head of Global IoT Delivery & Quality Excellence
19/05/2022





Smart Cities

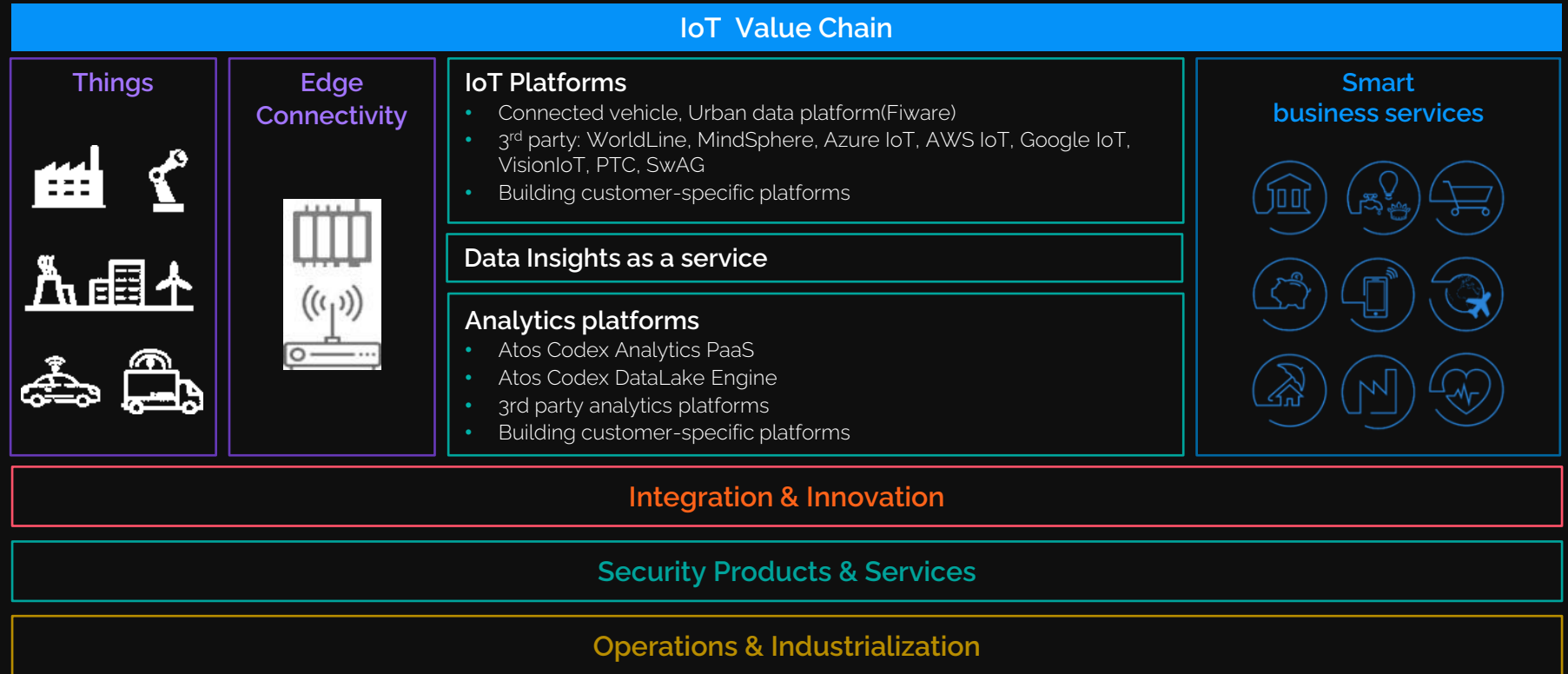
Connected Vehicles



What is the definition of IoT for Atos?

IoT is the key enabler for Digital Journey for Customers

Faster connectivity generates more data which leads to faster automation & smarter AI





Smart Cities

*Atos terminology:
A Data Driven City*

Citizens at heart of Data Driven City

Supporting cities and citizens to tackle many different challenges in parallel

Providing

- Healthy city living conditions
- Safe living conditions
- Economic opportunity
- Education opportunity

Implying

- Real time information feeds
- Quick response on incidents
- Personalizing services



Turning Data in to vital information:

Atos Urban Data Platform

Horizontal and Interoperable

- Real time architecture
- Hybrid cloud containerization
- Autonomous integration & delivery
- Hosting strategy and scalability (cloud computing)

Designed for Smart City

- High level standards
- Data Contextualization and Open Data Policy
- Asset & User management
- Hypervision and interface customization
- Secure API management
- Incident management and applications for field agents

Designed for IoT

- Integration of existing systems
- Device management
- Monitoring of embedded systems
- Edge Computing
- Secure flows
- Historical data and indicators

References



- Incident recognition
- Data-Driven bicycle mobility pilot



- Smart energy management and storage solutions
- Urban mobility solutions



- Connecting citizens for co-creating data driven services
- Open partner eco-system connecting services



- Traffic and parking monitoring
- Sharing information on traffic situation



- Metering of water, electricity and gas consumption
- Local energy production promotion, supporting citizens in installing PV systems etc.
- Supporting city planning



- Traffic and parking monitoring
- Pollution monitoring
- Sharing information for better route planning



Atos Connected Vehicle Services

Atos Connected Vehicle Services

Segments & Value Chain

 <https://www.youtube.com/watch?v=8698y3JvauQ>

Segments



Connected



Autonomous

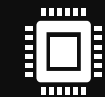


Shared



Electric

Value Chain



Embedded Applications



Connectivity Framework



Connected Services Platform



3rd Party Services Integration



Analytics Platform



Payments Integration







Value Add Services

Atos Connected Vehicle Services

Capabilities

Capabilities

Onboard Services

-  Security
-  Sensors
-  Simulators
-  UX / CX

CV Functional Services

- Active Safety**
 - ▶ Driver safety features
 - ▶ ADAS Services
 - ▶ V2X connectivity
- Passive Safety**
 - ▶ Predictive maintenance
 - ▶ Recall information
 - ▶ Remote updates
- B2C Services**
 - ▶ Personalized Driving
 - ▶ Convenience and Infotainment
 - ▶ Safety/Security
 - ▶ Smart Home Integration
 - ▶ E-Charging Service
- B2B Services**
 - ▶ Fleet management
 - ▶ Data Monetization
 - ▶ Usage based insurance
 - ▶ Third party service integration

CV (Backend) Platform Services

- Connectivity
- AI & Analytics
- Data
- Security
- System Integration
- System Support

Software Factory Services

Atos Connected Vehicle Services

Strong Track Record in serving the Automotive Market, globally



Global Engine Manufacturer
Feature Development Services
Platform Scalability Testing



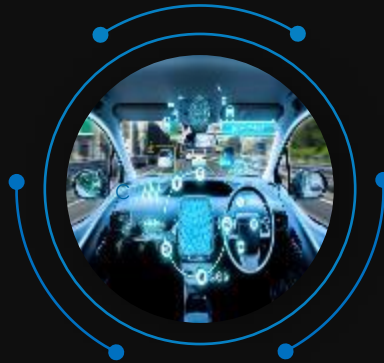
German OEM
Feature Development Services
Service Development
(App-Factory)



Global Car Manufacturer
Platform Enablement Services
Smart Home – Connected Car



German Auto-Supplier
Platform Development Services
E2E platform Service Provider



Global Car Manufacturer
Platform Development Services
Connected Car Software Factory



German Premium OEM
Platform Enablement Services
Over-the-Air Service Development



Truck OEM (NL)
Platform Development Services
E2E Platform Service Provider



Truck OEM (US)
Platform Development Services
E2E Platform Service Provider



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Questions

Thank you!

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