Vodafone Automotive Telematics the SLA challenge in IOT ecosystem

Enterprise Architecture November 7th, 2017

Gigabit future

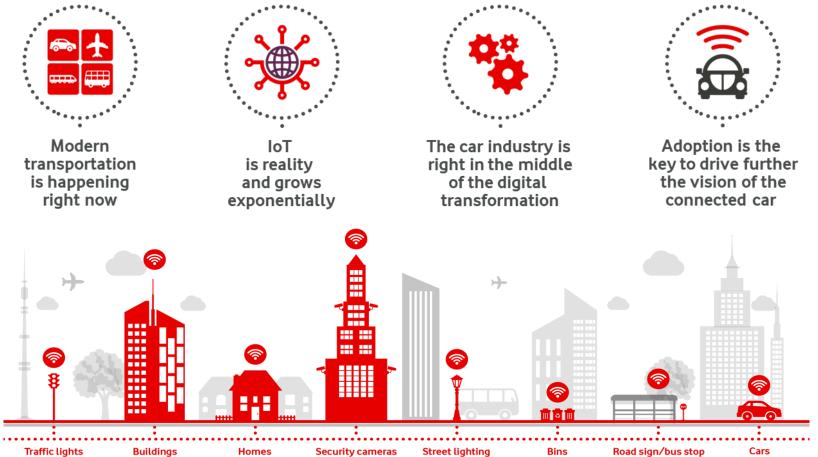
Changing the way we live and work

In **2025** the teenagers of today will be the young professionals innovating the way that we will be communicating and interacting with our information, our friends and the machines that help us.

They have NEVER known a world with a wire!

Would they use a car like we did?

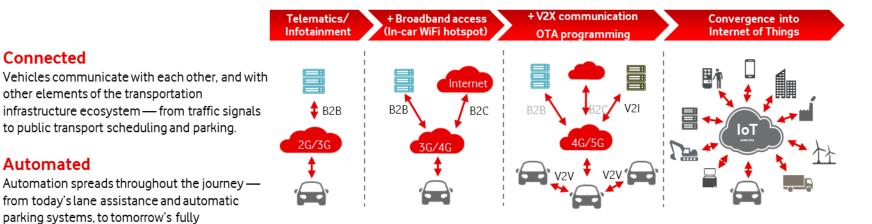




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Our vision: connected, automated, shared and electric

The digital future of transportation will transform the way we live and work



To enable future connected cars, the following is required:

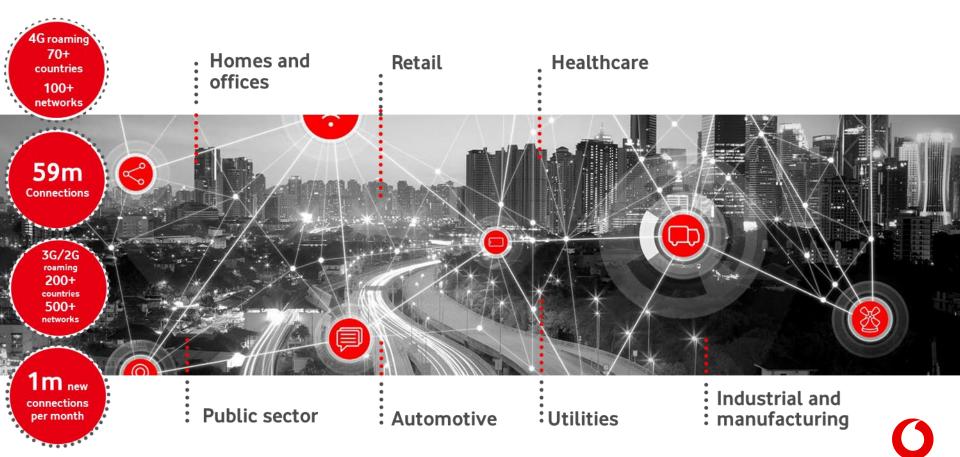
- M2M connectivity, Low latency networks such as 5G, Devices and backend handling Over-The-Air (OTA) Software updates, IoT platforms to deliver telematics services, telematics devices and sensors (e.g. ultrasonic sensors)
- Vodafone can deliver all these products and services

Used and shared

autonomous vehicles.

Vehicles are used on-demand, paid for and insured accordingly. New behaviours blur the lines between individuals and even between personal and commercial use: ride sharing and car sharing behaviours are common.

Vodafone IOT



Vodafone Automotive

We are a key supplier to all main global vehicle manufacturers, insurance companies and fleets

We provide all technology components needed for a connected car: Hardware, software and communication

Our Manufacturing Business

We design, develop, manufacture and distribute parking assistance, antitheft systems and telematics control units (TCU)

Our Telematics Business

We design and deliver telematics products and services for stolen vehicle recovery, road safety, new innovative insurance products, security assistance, eco driving and remote maintenance and control of the car.



in vehicle security and telematics

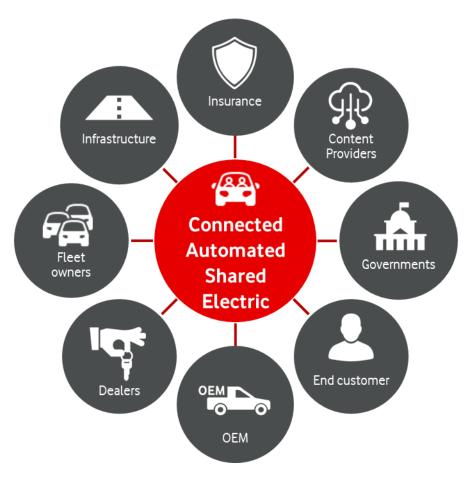


Vodafone Automotive's network of Secure Operating Centres – certified to work with local authorities



already working with Vodafone Automotive products & services

Ecosystem and connected consumer



Connected Car

Technology oriented indirect capture of client behaviour

Connected Driver

Vehicle relationship and additional service features

Connected Consumer

Cross industry business models, Consumer insights and consumer relationships

Vodafone automotive telematics platform at a glance

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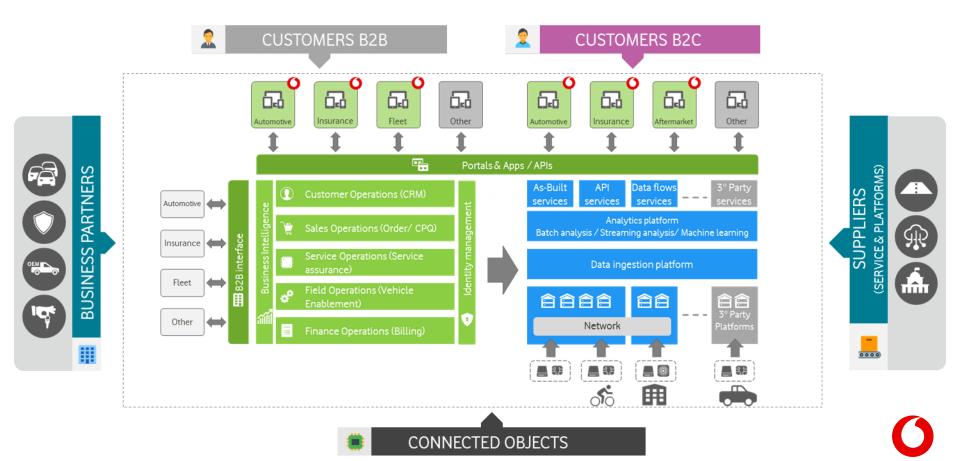
BUSINESS



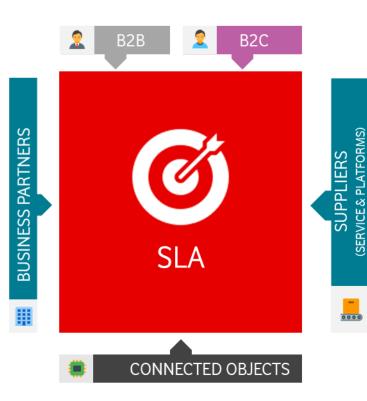




How system architecture supports VA business



The SLA challenge



🙆 Zero delivery downtime



Automate delivery to integration and production



Deliver only what is necessary



Deliver exactly when is necessary

O Zero application outages



Control and manage workloads



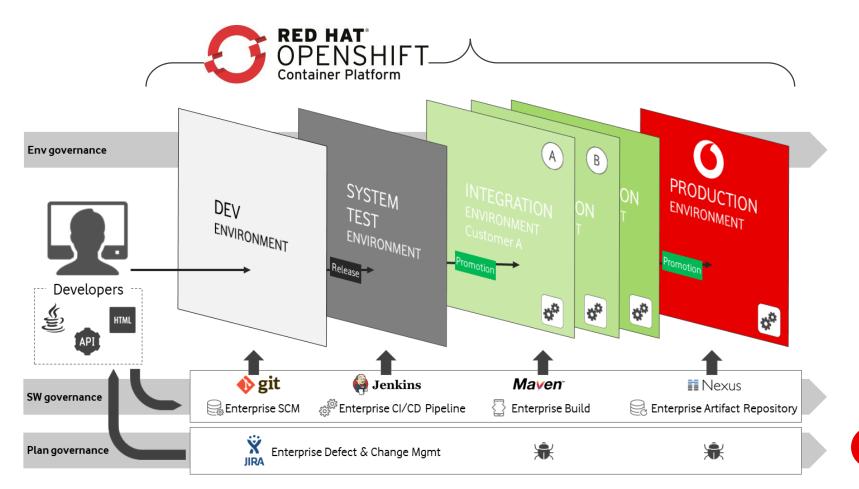
Control and manage the whole stack



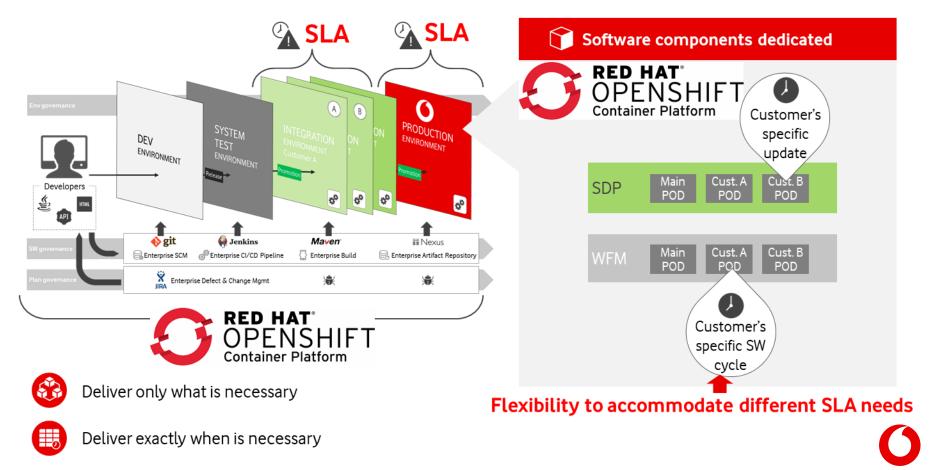
Automate no-regression tests

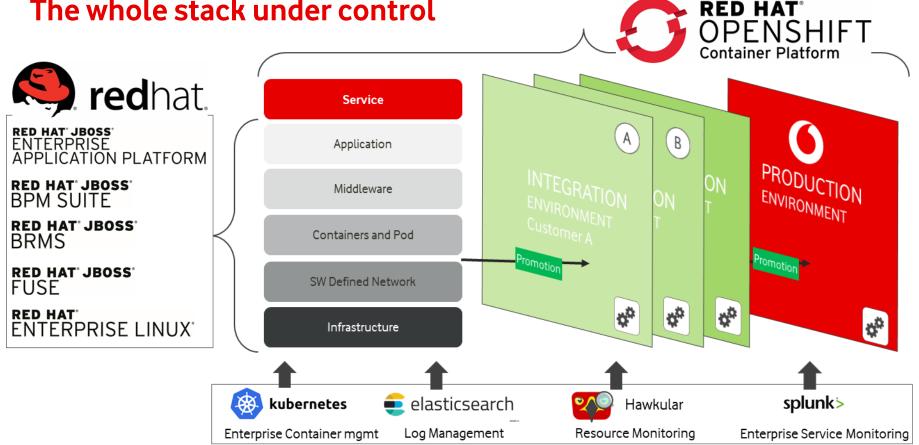


Automated delivery in a B2C & B2B context



One platform vs different customers' availability needs





The whole stack under control

Highlights to conclude







