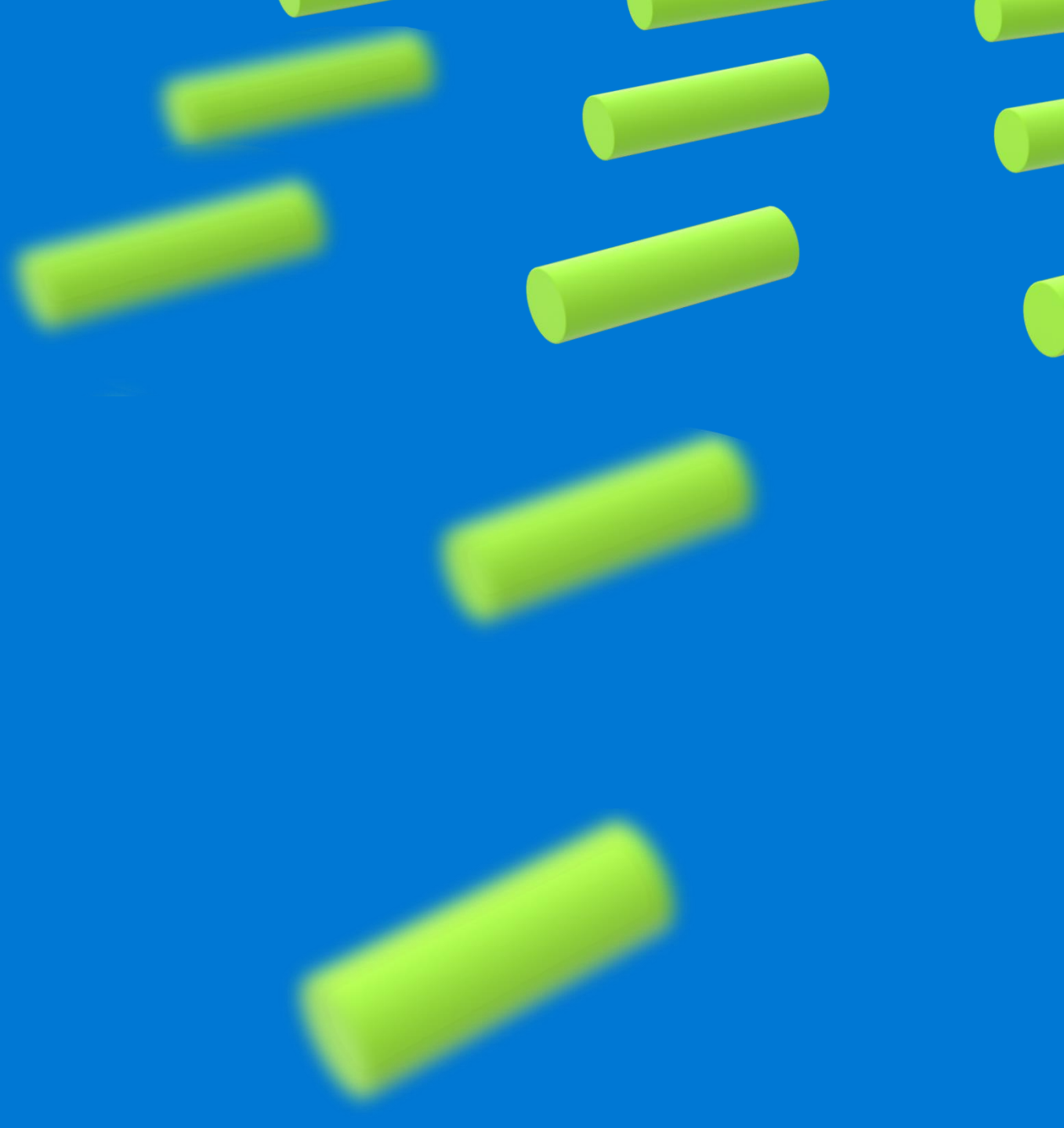# KPIT Technologies

KAMP Asset Management Platform

www.kpit.com

KPIT

Today's Connected Vehicle and Mobility platforms largely support conventional Use Cases through purpose-built architectures, that have limited ability to support emerging features over time.

Connected Services platforms need to remain current and relevant to support ongoing release of new features.

Industry needs a platform with architectural provisions and cloud best-practices for support for emerging Services.

Such a solution can help Vehicle OEMs and Mobility Service Providers thrive in meeting new demands due to evolving trends and consumer lifestyle changes.

CHALLENGES

Connected Services platforms face an uphill task in staying relevant through a vehicle or service's lifetime, as new trends and consumer lifestyles require features that were not considered possible at design time. This after-thought approach leads to inferior User Experience driven by patchwork of IT systems that are difficult to integrate, maintain and upgrade over time.

IDEAL SOLUTION

An API-led, containerized, micro-services driven platform that leverages new and emerging concepts in cloud-based architecture can support hygiene Use Cases, as well add new customer-facing Services on-the-fly. In addition, such a platform backed by a central, rich Data Lake can open new possibilities for insight-based features, services and monetization opportunities.

DESIRED OUTCOMES

Connected Vehicle and Mobility services launched using such a platform reduce obsolescence risk in the face of new features, address needs of multiple stakeholders, escape IT patchwork and provide an elegant experience to the end consumer of the vehicle or service.

KPIT Technologies

KAMP

A future-proof Asset Management Platform with best-in-class adaptability, security and cloud architecture benefits.

Future Proof

API-led architecture with containerized microservices, rich Data Lake and state-of-the-art cloud services, offered through elegant SDK for building new features and services.
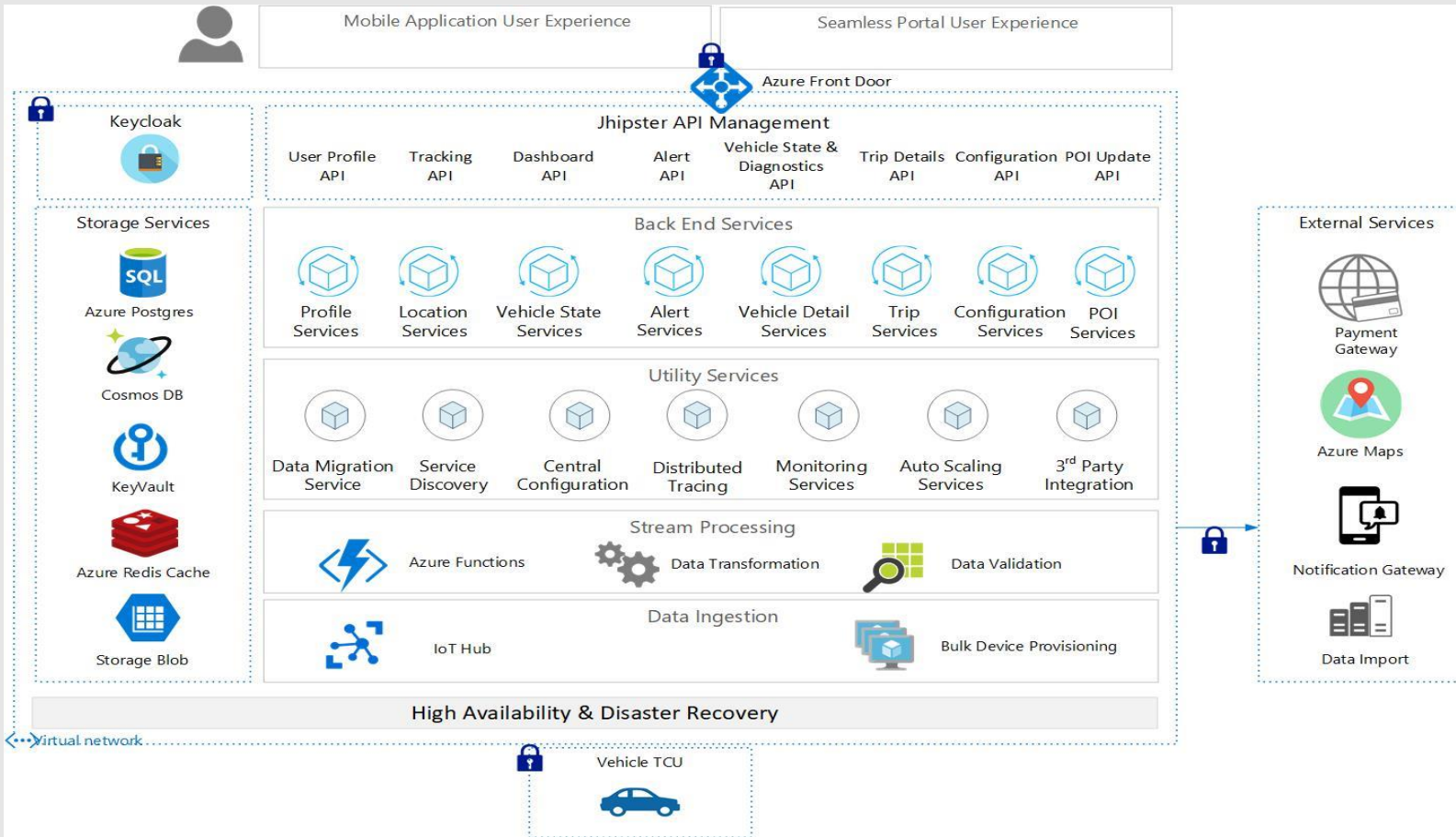
Data-first

AI/ML based pre-integrated data pipelines for insight-based offerings and service monetization possibilities.

Updatable Over-the-Air (OTA)

Backed by industry's most comprehensive OTA solution covering back-end campaign management and device provisioning as well as deep vehicle update with multi-ECU flashing.

KAMP + Azure

Built with native Azure Platform Services KPIT's Asset Management Platform combines KPIT's deep domain expertise with the manageability, reliability and low total cost of ownership of Azure.

Azure IoT Hub

Leverages the flexibility & scaling of Azure IoT hub to provide a single hub of integration with multiple different IoT devices from Automotive OEM's and After Market.
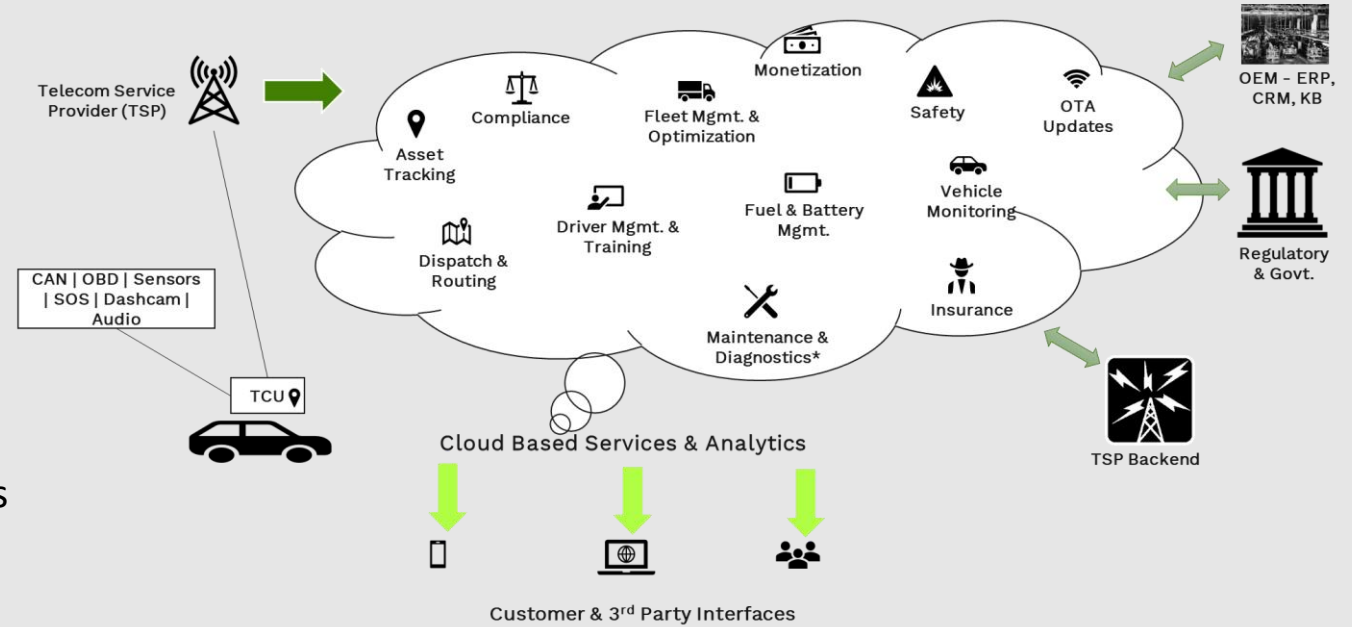
Azure Kubernetes Service

Containers managed by Azure Kubernetes help scale to millions of managed assets while maintaining high availability & performance guarantees. Scale down on demand to keep infrastructure utilization high & costs low.

Azure Maps

The global coverage of Azure Maps provided location driven intelligence and contextual advisories for Routes & Trips, Asset Maintenance and Asset Health

Customer success: Fleet Management Platform for a global oil brand

- End to end software platform development
- Highly scalable cloud architecture based on micro-services
- Loyalty program integration to influence driver behavior
- Operations portal branded for fleet operator

At-scale deployment

- 75,000 trucks
- 55 million km journeys
- 400 trips a day
- On board vehicles of 6 different OEMs

Data driven Insights & OTA

- Journey Risk Management based on location, weather, road conditions and other data
- Driver Behavior Monitoring with actionable insights for dynamic geo-fencing and route guidance revision
- Secure and robust OTA implementation

Azure at core

- Azure core cloud infrastructure
- Azure IoT Hub for edge configuration and management
- Docker and Kubernetes support

Get in touch to download your SDK and start building

Contact us: https://www.kpit.com/contact/

KPIT