




# DKV Mobility on Azure

An Eco-System for Fleet Manager, Dispatcher & Driver

Patrick Dahlmann, Tobias Gockel



YOU DRIVE, WE CARE.



# DKV Mobility on Azure

An Eco-System for Fleet Manager, Dispatcher & Driver

# Agenda / Content

1

## DKV Mobility

Asset light transaction & payment **platform**.

2

## Digital Eco-System

Increases **efficiency** & **sustainability** of customers

3

## Portal & App cloudification

Better **Time-To-Market**, under proportional **cost growth**

4

## Azure as one critical success factor

For DKV Mobility **AND** its customers



# DKV Mobility, an asset light transaction & payment platform.



**DKV Mobility is a leading B2B platform for on-the-road payments and solutions.**

We offer access to the largest energy-agnostic acceptance network in Europe, including fuel service stations, public and semi-public EV charge points and alternative fuel service stations.


Our suppliers, on the other hand, benefit from the broad customer base using products provided by DKV Mobility.

To drive **the**  
**transition** towards  
an efficient and sustainable  
future **of mobility.**



# Web-Portal & Smartphone App

Deutsch



Willkommen im DKV Kundenbereich!  
Bitte melden Sie sich an.

E-Mail-Adresse

Passwort

Passwort vergessen?

Anmelden

Sie sind DKV Kunde und noch nicht registriert?

Sie möchten DKV Kunde werden?



Dashboard | Mein Fuhrpark | Fuhrparkmanagement | Einstellungen

Suchen

Alle Attribute

Servicekartentyp

- DKV Partner Card Standard (49)
- Lieferanten TEST-Karten (0)

Kostenstelle

- Jero Febig (0)
- Anna Hilmer (3)
- SMATRICES (2)
- 0815 (2)
- 123 (1)

Mehr anzeigen

Profil

- Smart Settings (50)
- DKV Standard (7)
- Individuell (1)

Status

- Aktiv (4)
- Neu (4)

Meine Servicekarten (58)

Servicekarten bestellen

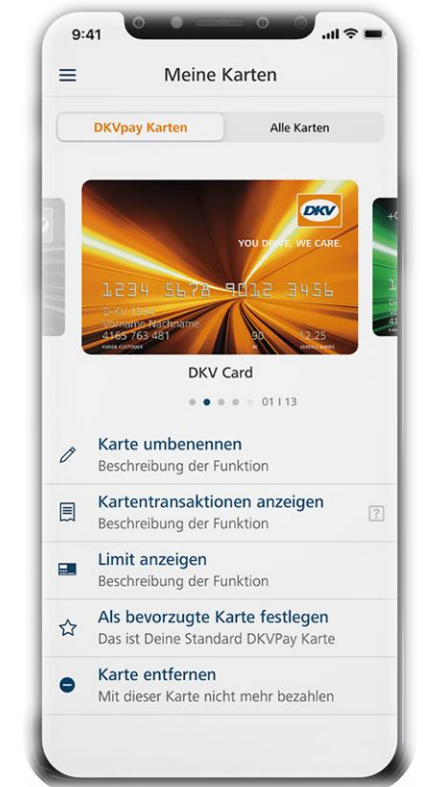
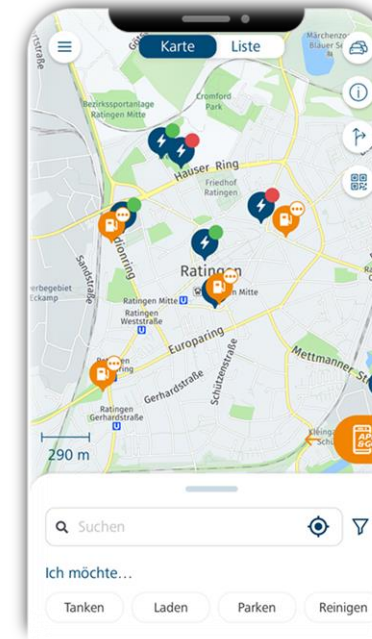
**SMART CONTROL**

Smart Settings sind für 50 Karten angewendet. [Details verbergen](#)

[Bearbeiten](#)

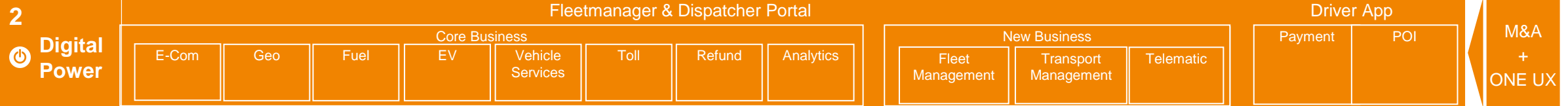
Ausdruck	Servicekarten-ID	Kostenstelle	Kartenzusatz	Profil	
<input type="checkbox"/>	TEST	70431001040536815	123456	TEST	DKV Standard
<input type="checkbox"/>	TEST	70431001040543175	tre		DKV Standard
<input type="checkbox"/>	TEST	70431001040766719	123	123	DKV Standard
<input type="checkbox"/>	SUPPLIER	70431001039832035		TEST CARD 1	Smart Setting
<input type="checkbox"/>	SUPPLIER	70431001039832081		TEST CARD 9	Smart Setting
<input type="checkbox"/>	SUPPLIER	70431001039832894		TEST CARD 17	Smart Setting
<input type="checkbox"/>	SUPPLIER	70431001039832977		TEST CARD 25	Smart Setting

58



# Way of making business & users created the strategy & digital offerings

1  
XLGrowth!



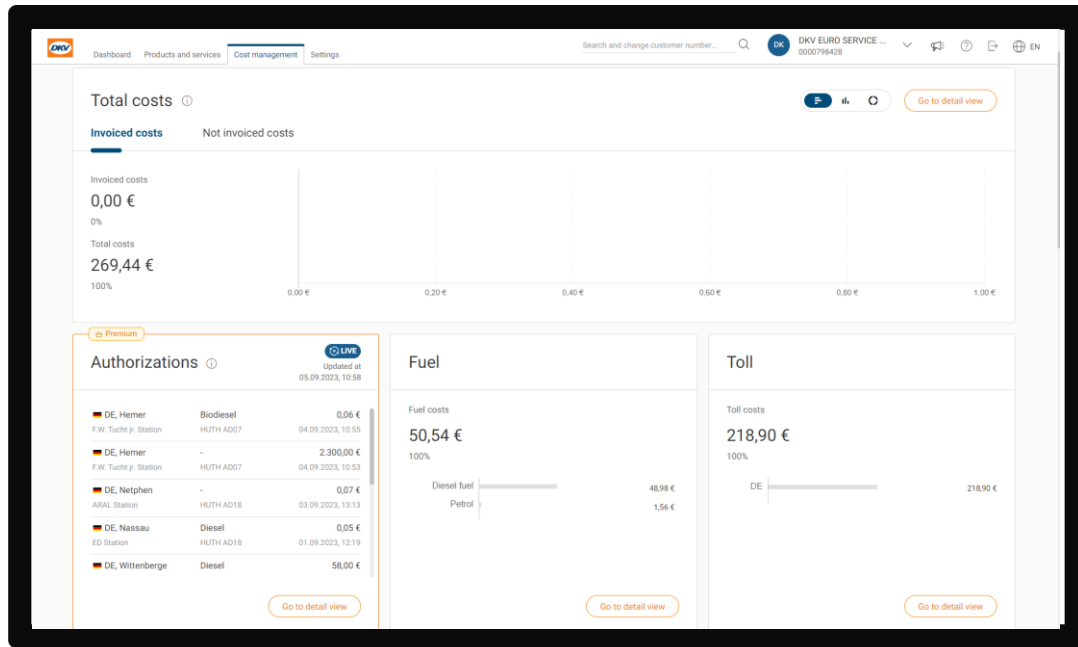
3  
Lead in Green

4  
Operational Excellence

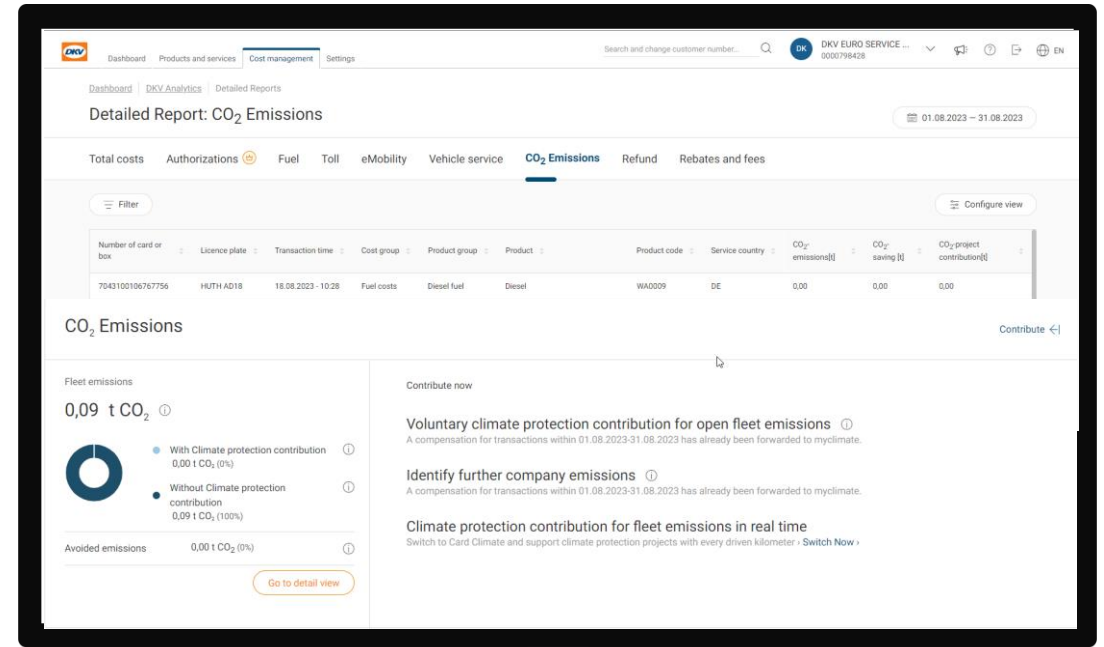
5  
Technology Edge

# Real Time Analytics + CO2 compensation from MyClimate

Analyze your data up to real time



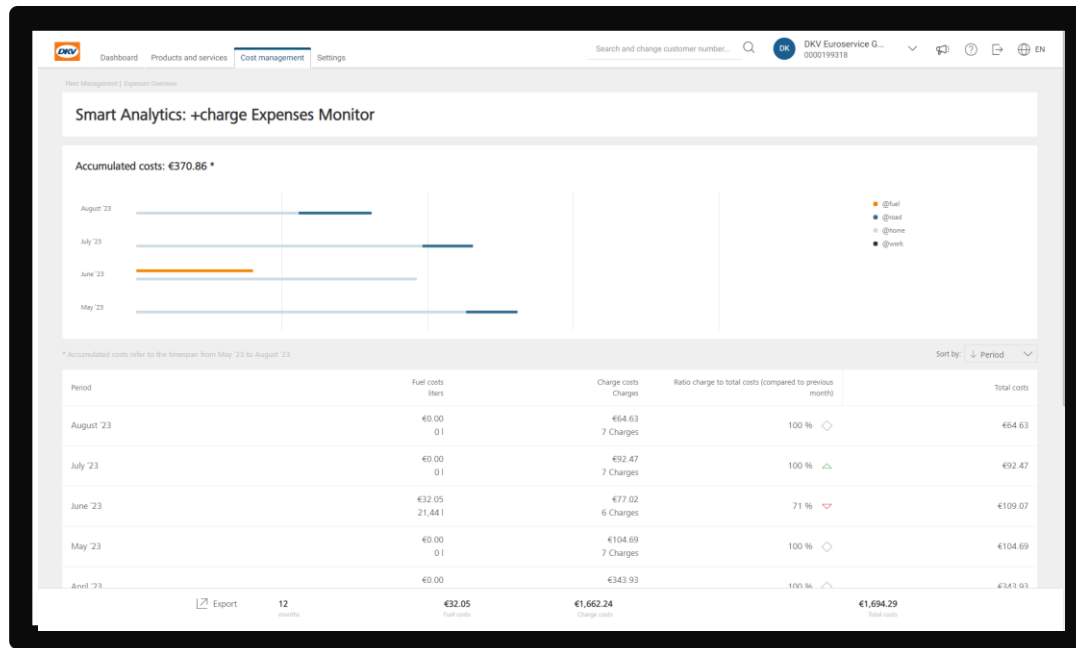
Compensate directly every transaction



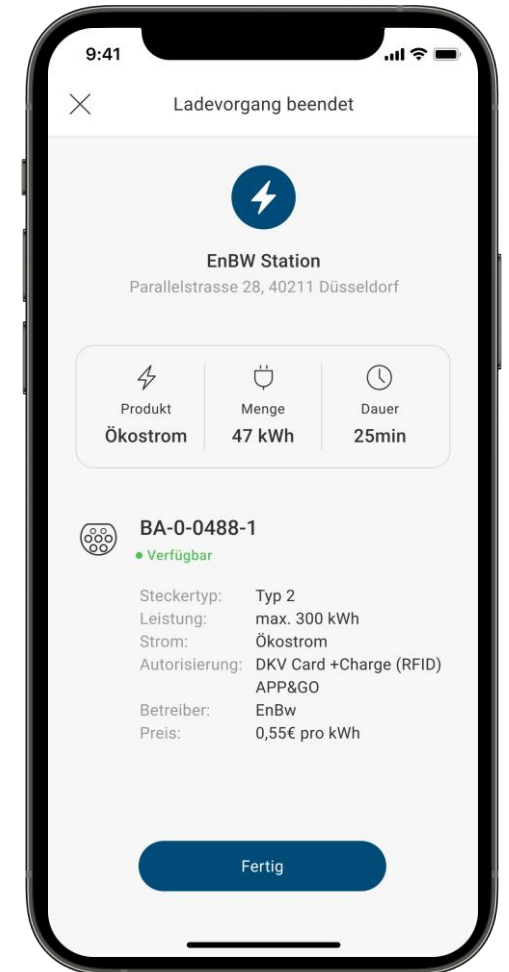
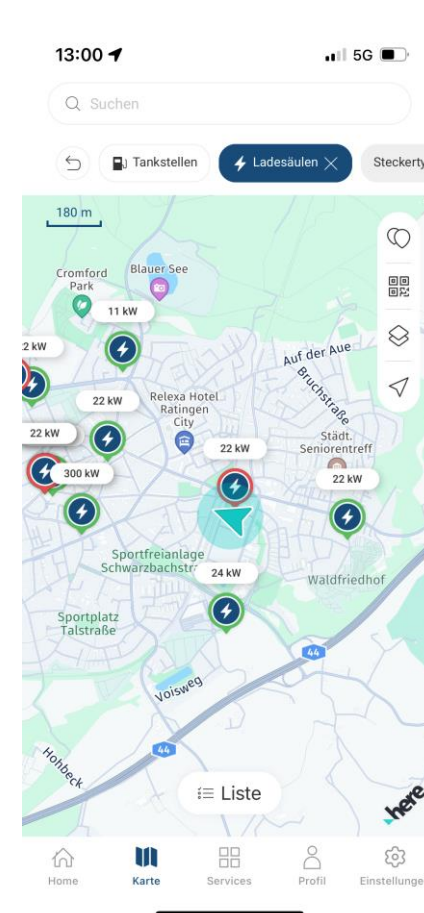


# E-Mobility @home @work @road connected via Portal & App

## Cost overview



## Ease of use at road





# Evolution proofed scalability

- Decisions:** Internalisation  Migrate to Azure   
Additional Location  Internalize App-Knowhow   
From classical IT to agile, product driven approach

> 500  
Releases  
in 2022

- New state-of-the-art textual based search function in portal cockpit
- New password policies rolled out
- ePIN now available
- Refund Portal launched
- Claiming for DKV BOX ITALIA FLEET & TIS-PL
- New Foundation for User Management released & >300k user migrated
- Digital Service-Card Exchange process launched
- Own Wallbox (HERE) visible in DKV App
- CO2 Class Calculator went live in Portal & Webpage
- Fundamental new stationfinder released

<200  
Releases  
in 2021

- German Innovation Award in the Category "Excellence in Business to Business"
- Substantial growth of Unique Users in CPS Systems since January 22
- MyClimate CO2 post compensation released
- New Invoice & Download overview released
- New eVignette Ordering Process.
- E-Mobility released in DKV own smartphone app
- New Dashboard released
- New Smartphone App released

<50  
Releases

- Re-Started Project live on Private Cloud
- E-Mobility released in Portal
- DKV Analytics Go-Live
- Lift & Shift to Azure
- Set SSC

<25  
Releases

- Re-Started project on Private Cloud

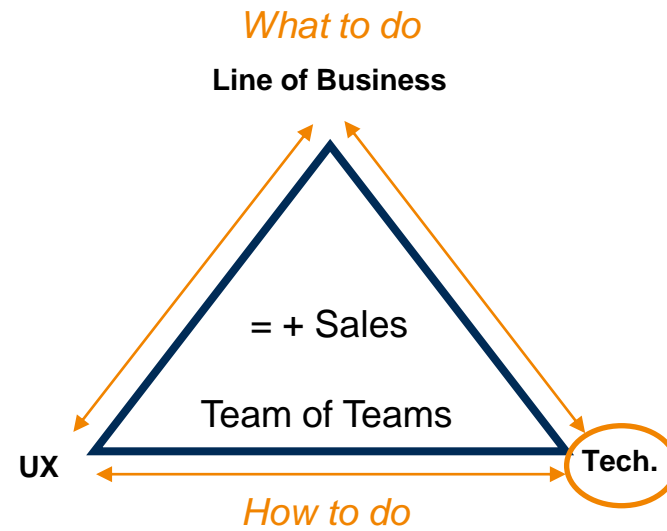
<25  
Releases

- M&A with painful integration PMI

New Portal Decision

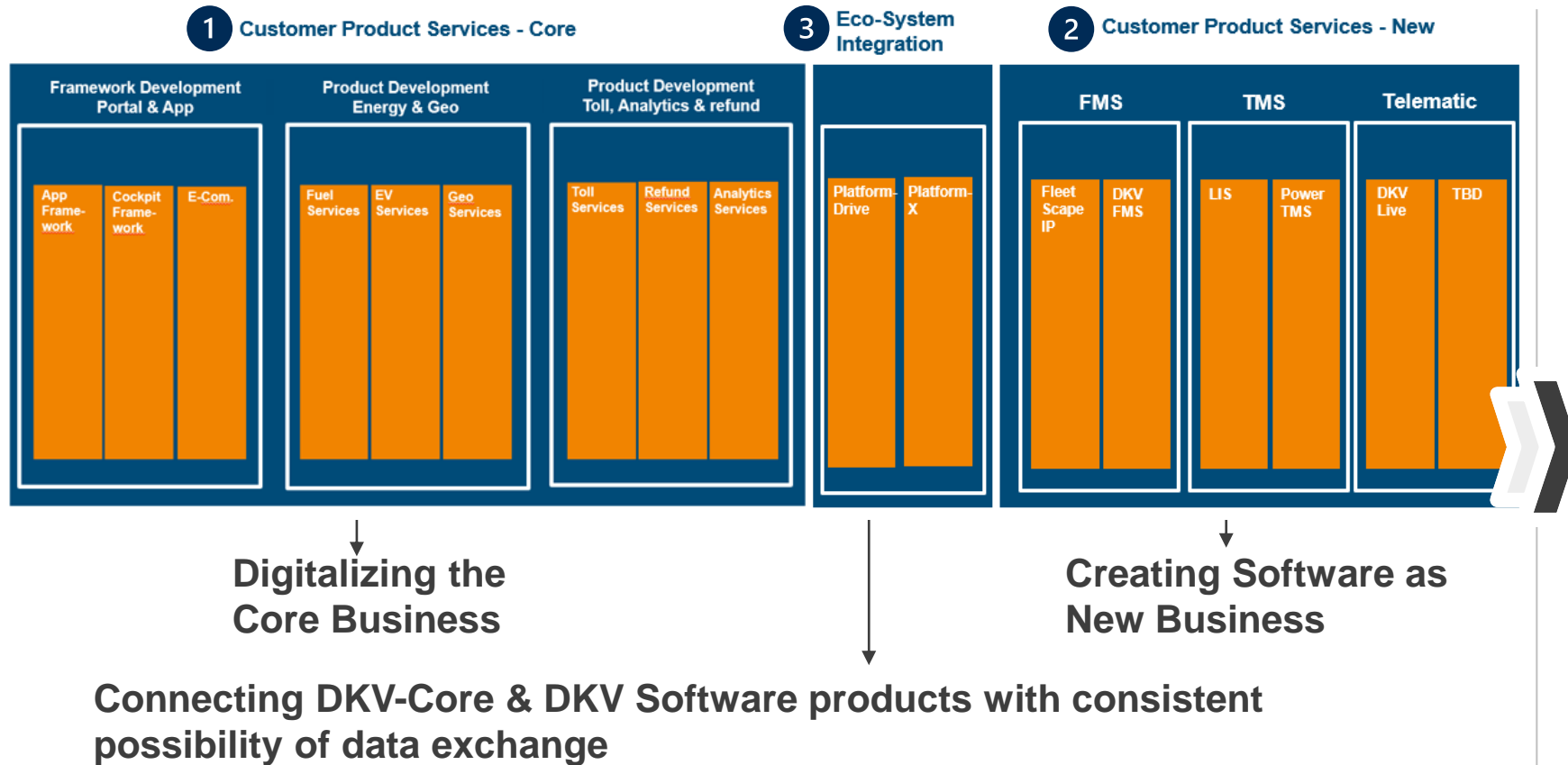
2017 2019 2020 2021 2022 2023 August 2024

# Multidisciplinarity and field of tension as one of the key successors



# Technical Eco-System – The connecting umbrella for the new crucials

The ultimately need from Core & New is different. Eco-System is connecting those.



**1** The **new crucial** for our pure Digital-Touchpoints:

**User focus, responsiveness, ease of use, always on & applying new technologies.**

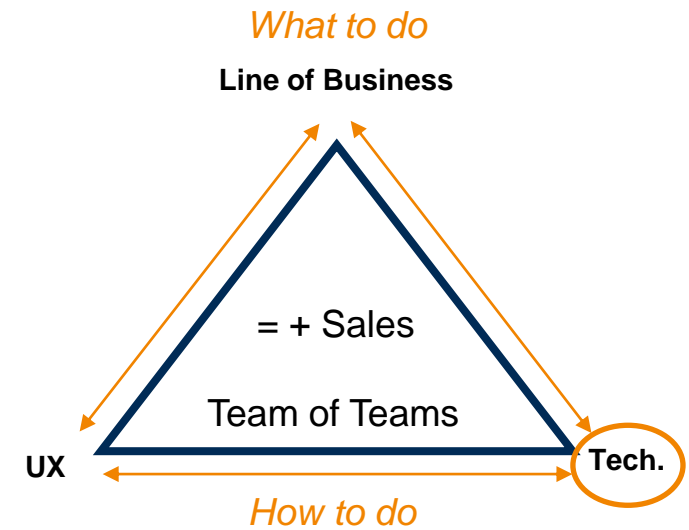
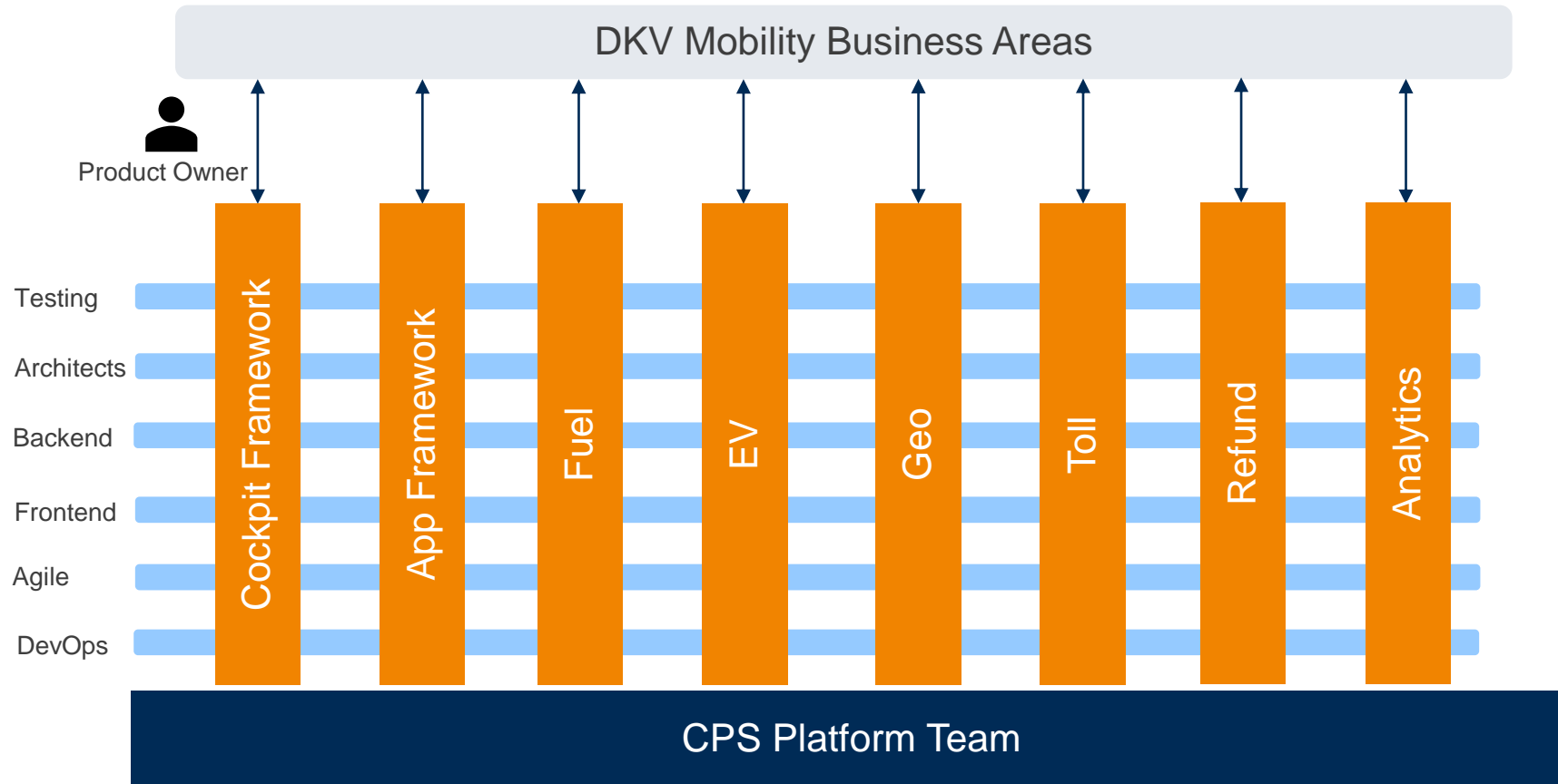
**2** The **new crucial** for embracing the full beauty of Digital Power:

**Seamless Interfaces & similar data visualization at all touchpoints through new technologies.**

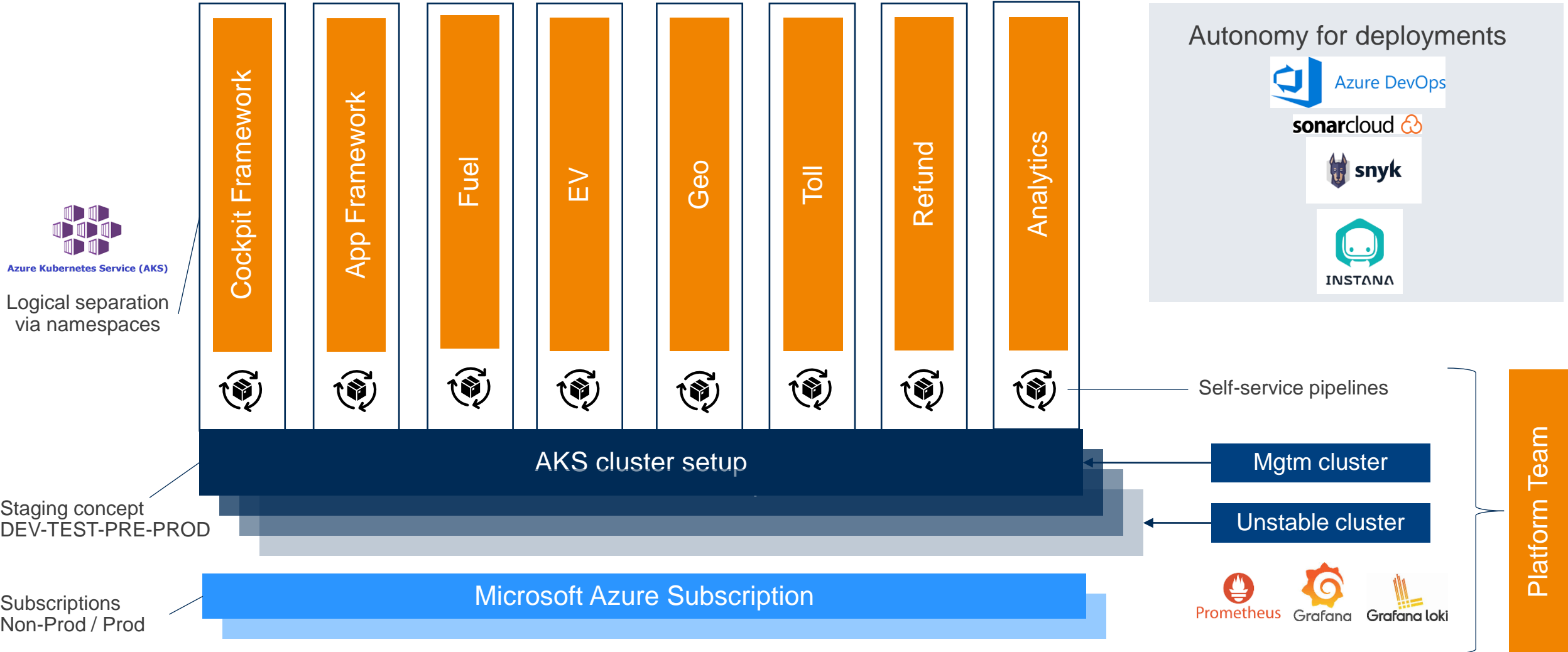
The **new crucial** for embracing the full beauty of Digital Power:

**3** **Seamless Interfaces & similar data visualization at all touchpoints through new technologies.**

# CPS organizational setup fosters business alignments and speed

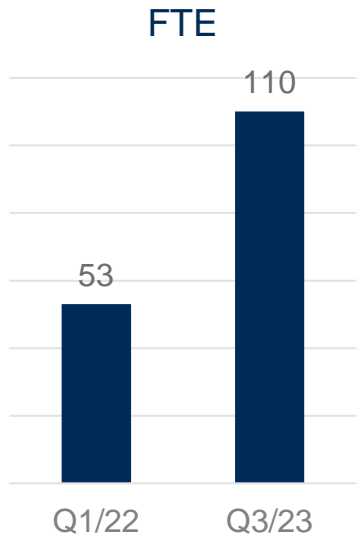


# CPS technical setup fosters autonomy and self-service

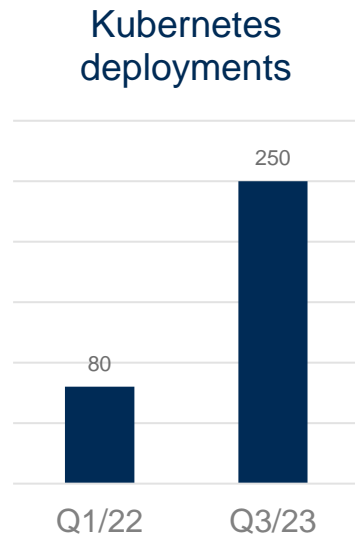


# Organizational and technical scalability in numbers

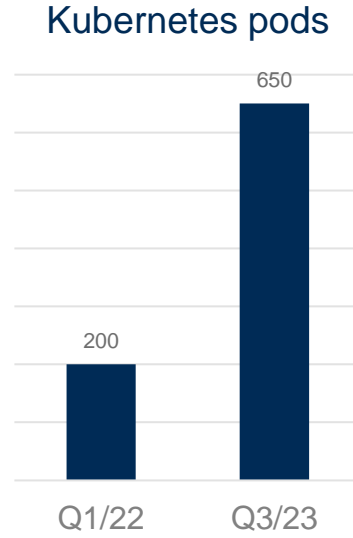
108%



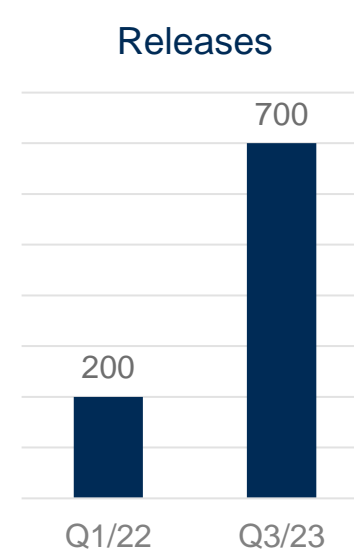
213%



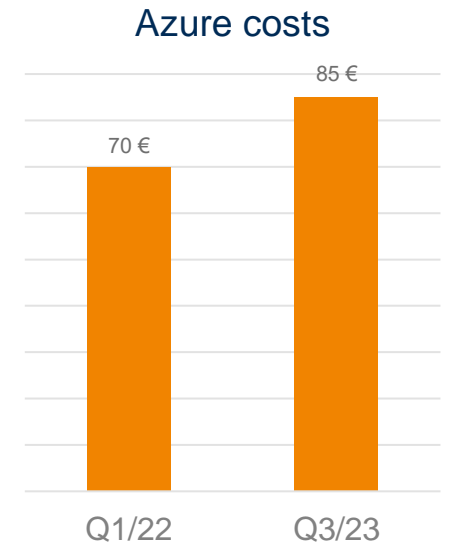
225%



250%



21%



# More speed and less costs is beneficial for all



## Resource optimization

Configuration of resource requests and limits for deployments in our AKS cluster were optimized and finetuned



## Azure reservations

Depending on the duration of reservations significant savings can be achieved



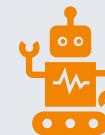
## Self service

Self-service pipelines for Azure resources reduced the manual effort on Platform side and the provisioning time for the developer



## Automation

Various processes automated on the platform and in interaction with teams and other departments





# Azure as one critical success factor for TTM & Cost Efficiency

Consistency

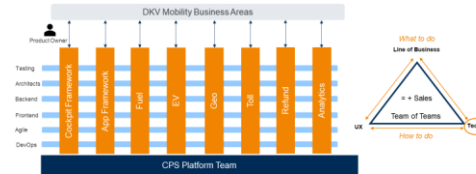
Internal Influences

External Influences

Way of making business & users created the strategy & digital offerings



CPS organizational setup fosters business alignments and speed



Organizational change is triggered...

... and technology and processes are used...

... to achieve the desired effects!



Customers

Shorter time-to-market

DKV Mobility

Better cost efficiency

Session Title: DKV Mobility auf Microsoft Azure -  
Ein Ökosystem für Flottenmanager, Disponenten  
und Fahrer



<https://aka.ms/AzSum-S019>

YOU DRIVE, WE CARE.



**DKV Mobility**  
Balcke-Dürr-Allee 3  
D-40882 Ratingen

[dkv-mobility.com](https://dkv-mobility.com)