

digital ecosystem

Wiener Stadtwerke

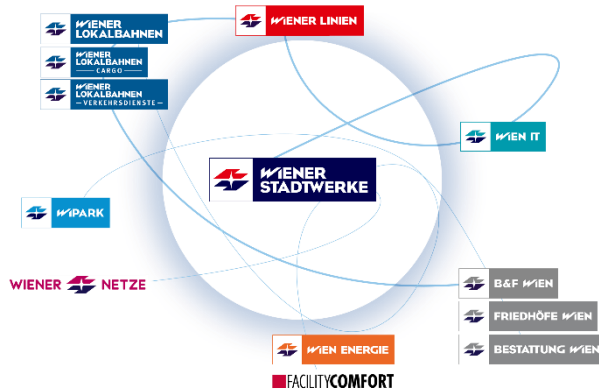
Benedikt Schraik

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Wiener Stadtwerke is Austria's largest infrastructure group

facts and figures



Public Transport, Parking, Mobility Services
(1.250 vehicles, >1.000 km rail network, 70 garages)



Power, Gas, District Heating
(production, distribution, grid operation for >30.000 km)

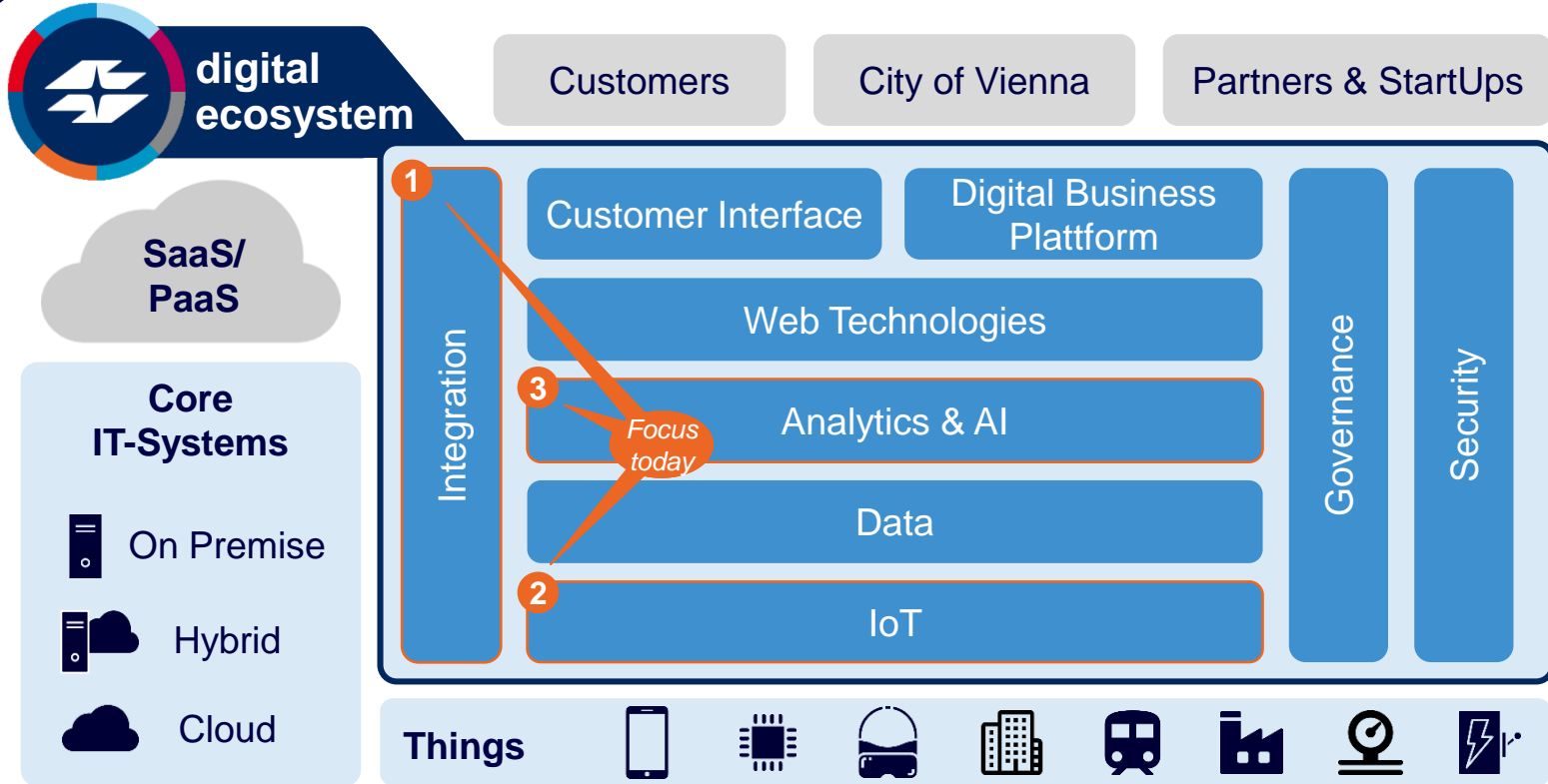


> 1 bn. passengers per year
> 2 Mio. energy customers
15.000 employees

New business demands urge IT organizations to change...



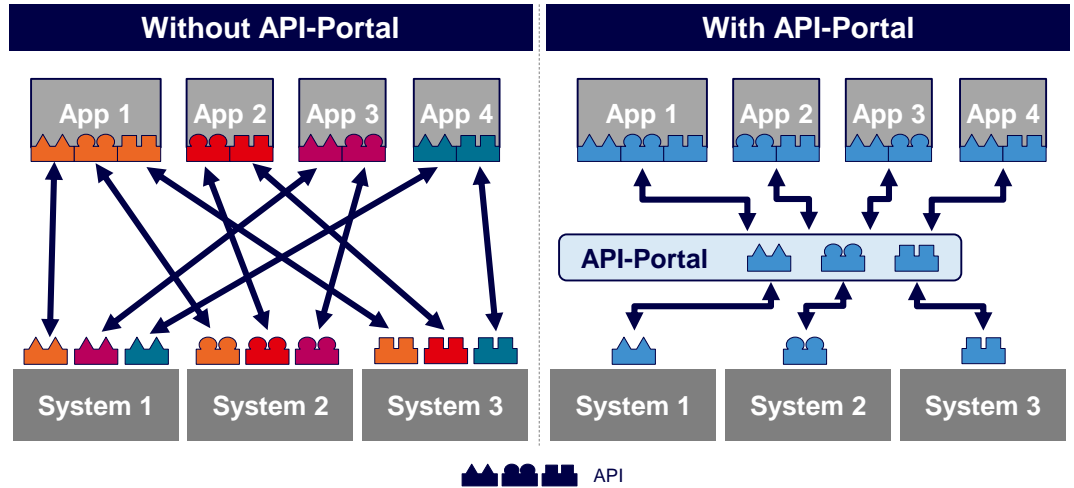
...into a digital ecosystem integrating existing elements





Integration

An API-Portal allows third party integration of backend IT with services

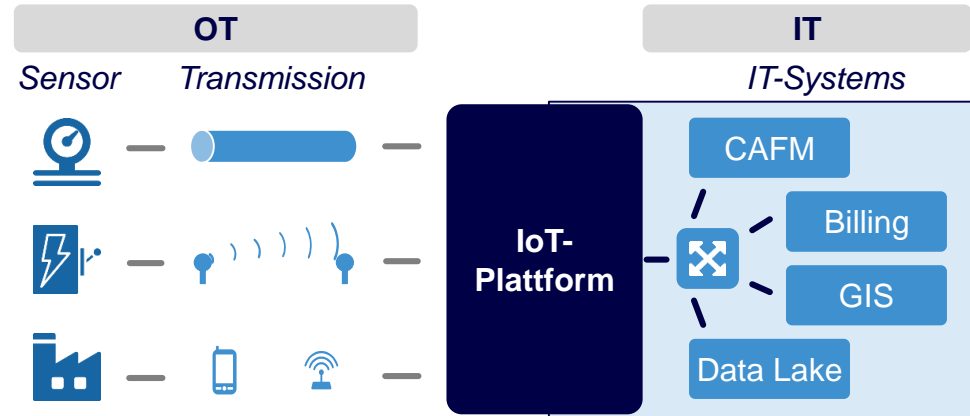


- The API-Portal builds a single point of contact for backend IT-systems
- Through the standardized interface internal and external applications and partners can be integrated
- Typical Use Cases: external Billing (e.g. parking lot), real-time data



Internet of Things Platform (IoT)

A backbone of the Smart
City



IoT-Program & Platform

- IoT provides real-time information of our infrastructure and is therefore, a backbone of the Smart City Vienna
- The IoT-Plattform is the central interface between sensors and IT systems
- A group-wide IoT-Program implements use cases and defines a IoT- and Platform-Strategy
- One fill level measurement of the our rail greasing systems



Analytics & AI

Generates data-driven decisions

Data Science Use Cases

Movement Analytics



Time Series Analysis

- Detection of rail condition using vibration sensors
- Usage of normal smartphones as sensors

E-Mail Categorization



Natural Language Processing

- Automatic distribution of ~400.000 customer mails per Year
- Categorization using an NLP-machine learning algorithm

People Counter



Computer Vision

- Counting of visitors entering the central cemetery in Vienna
- Processing using video stream

Contact

Benedikt Schraik

Group IT | Head of Digital Transformation

Wiener Stadtwerke GmbH,

Thomas-Klestil-Platz 14, 1030 Wien

Telefon: +43 (0)1 531 23-74184

E-Mail: benedikt.schraik@wienersstadtwerke.at