

**5-MINUTE PITCH DECK**

**Robotaxi Fleet  
Management**

A futuristic city street scene with modern buildings, greenery, and sleek cars. The scene is set during sunset or sunrise, with a warm, golden light illuminating the sky and the buildings. The architecture is modern and sleek, with curved lines and large windows. The street is paved with dark, reflective tiles, and there are several futuristic cars driving along it. The overall atmosphere is one of a high-tech, sustainable urban environment.

# T Systems

## hackaTUM 2024

# Connected Mobility Challenge

Garching bei München

November 22, 2024

T-Systems is a part of Deutsche Telekom. We are big enough to **scale globally** and small enough to **care**.



## About Deutsche Telekom

**1** of the **strongest brands** in the world

**> 50** countries

**112 B €** revenue in 2023

**291 M** customers

**> 1,000** global leading **partners**

**199,652** employees worldwide

**#1**

**GERMAN BRAND**

**#1**

**EUROPEAN BRAND**

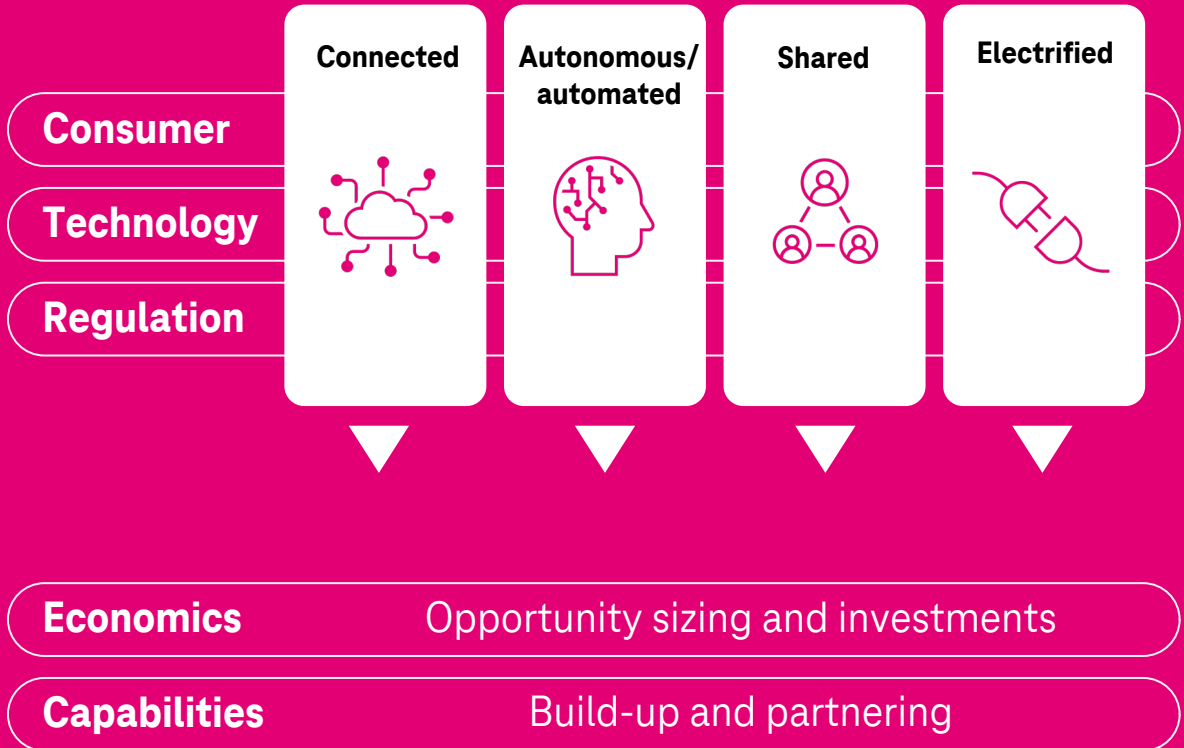
**#9**

**GLOBAL BRAND**



# Automotive

Challenges and opportunities: today



## Outlook and predictions: 2030

**>10%** of cars sold will be used for driverless taxi fleets (with a total of 26 million autonomous vehicles in operation)



**New cars** = **100% Electric** + **100% Connected** + **50% Autonomous**

and software-defined L2 / L2+

Up to **ten thousand dollars** Lifetime revenues from subscriptions, upselling and ecosystems



**Net-zero production**; recycled content quotas; and modular / upgradable components







**Develop a solution to manage  
a fleet of robotaxis.**

# Goals of the challenge

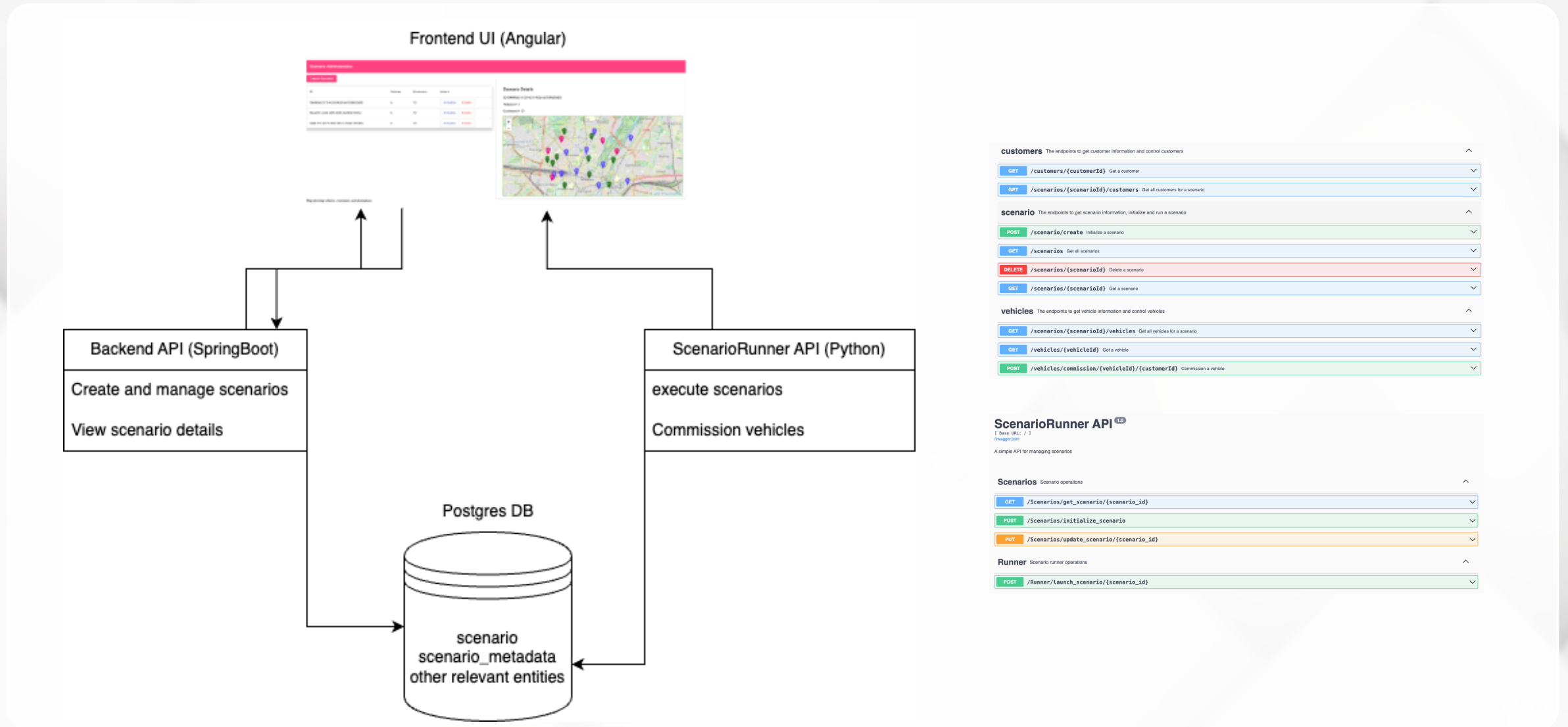


Build an algorithm to commission a robotaxi fleet in the most efficient way, i.e. optimize for different parameters such as kWh, utilization, revenues, etc.



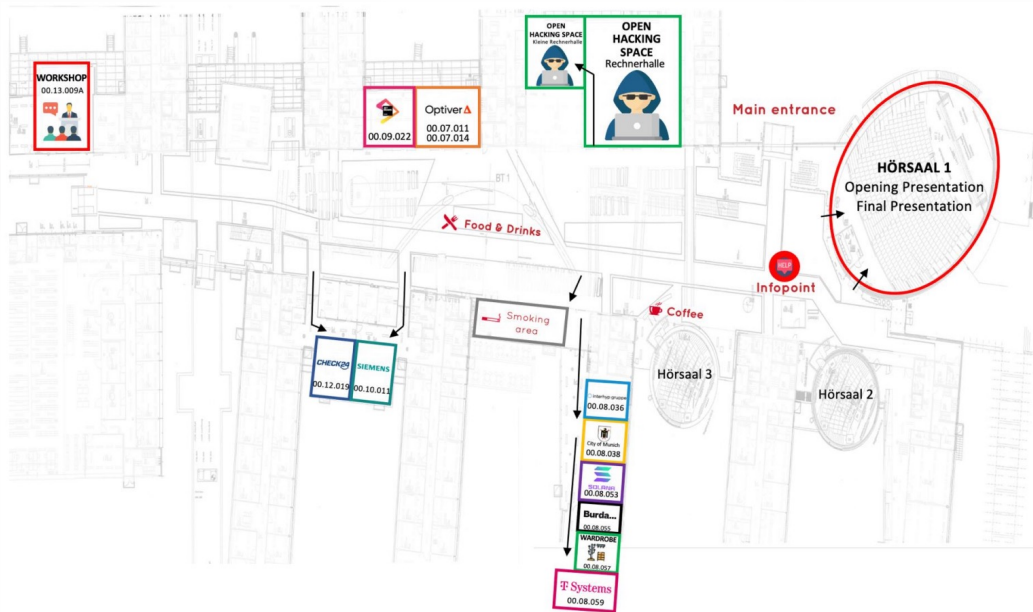
Create a visualization layer to  
(1) manage the fleet and  
(2) create dashboards/reports.

# We provide all resources to tackle the challenge





# Come meet us!



**Sebastian Lang**  
Architect & Product Manager



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