

Virtual Conference UrbanSmartPark

Project Lead: NFF

16 December 2020







Agenda

Time	Topic	Speaker		
9:00 – 9:30	Welcome and Introduction to the Project	Silvia Thal, Adrian Sonka (NFF)		
9:30 – 9:40	Requirements from the City's Perspective	Robert Gaycken (City of Hamburg)		
Session 1: Customer co-created parking services design				
9:45 - 10:35	Determining and Meeting the Need for Parking-related Services – Market Analyses and Services Design	Robert Gaycken (City of Hamburg), Antje Fricke (NFF)		
10:35 – 10:45	Coffee break			
10:45 – 11:05	Implementation of the Services Platform	Julian Lindner (Fraunhofer)		
Session 2: Automated parking solutions				
11:10 – 11:30	Implementation of Automated On-Street Parking: Requirements and Challenges	Marcel Kascha (NFF)		
11:35 – 11:45	Legal Requirements of AVP in Germany	Lara Schmidt (NFF)		
11:50 – 12:20	Verification and Validation of Automated Valet Parking System - Safety Challenges and Solutions	Alexandru Forrai (Siemens)		
12:20 – 13:00	Lunch break			
13:00 - 13:20	Customer Acceptance and HMI Development of Autonomous Parking Service	Jakub Sliva (Skoda), Jiri Plihal (UTIA)		
13:25 – 13:45	Eye Tracking Assessment & Innovative Parking Solutions	Tomas Tichy, Premysl Toman (CVUT)		
13:45 – 14:00	Impressions of Demonstration Event in Hamburg, Discussion and Closing	Silvia Thal (NFF)		







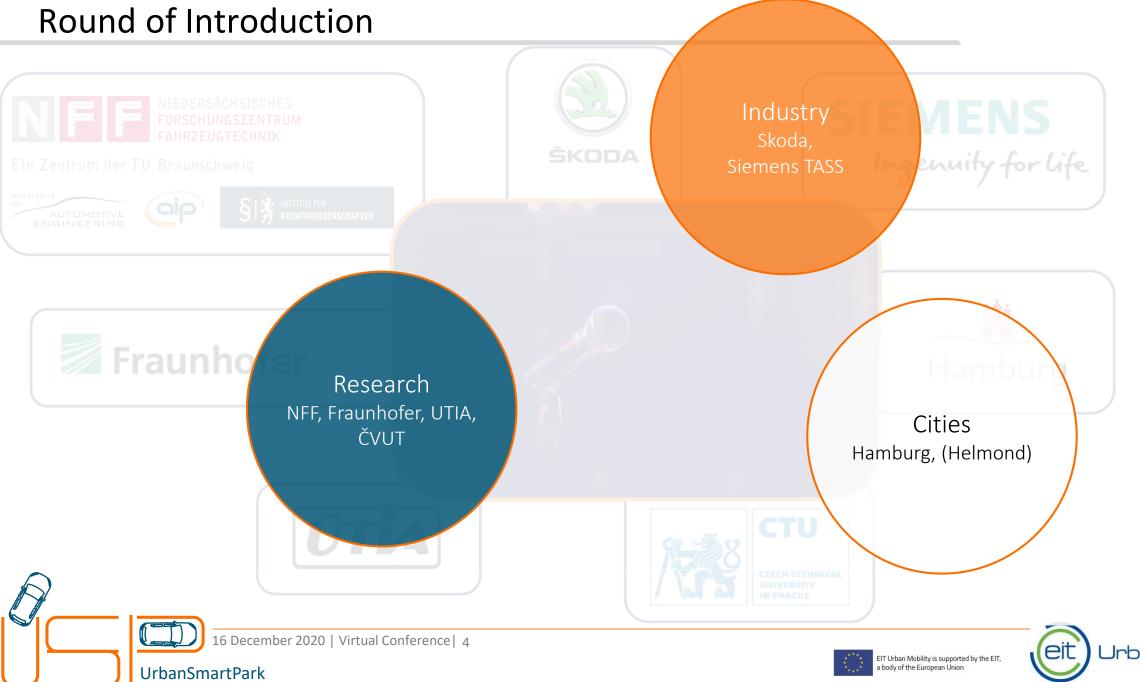
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Introduction to the Funding Framework

EIT KIC Urban Mobility











Introduction to KIC (Knowledge and Innovation Community)

Integrity

Every KIC is a legally independent organization bringing together approx. 50 partners from different disciplines based on a contractual partnership / collaboration with the EIT

Long-term Strategic Approach

Every KIC runs over a minimum of 7 years, expendable to 14 years with the goal to operate independently and financial sustainable

Effective Management

Organization is run by a CEO & management team on a Central and Co-Location level

Autonomy and Flexibility

Every Co-Location Center coordinates its organization and their activities in an independent structure

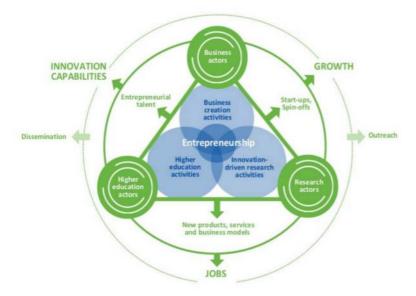


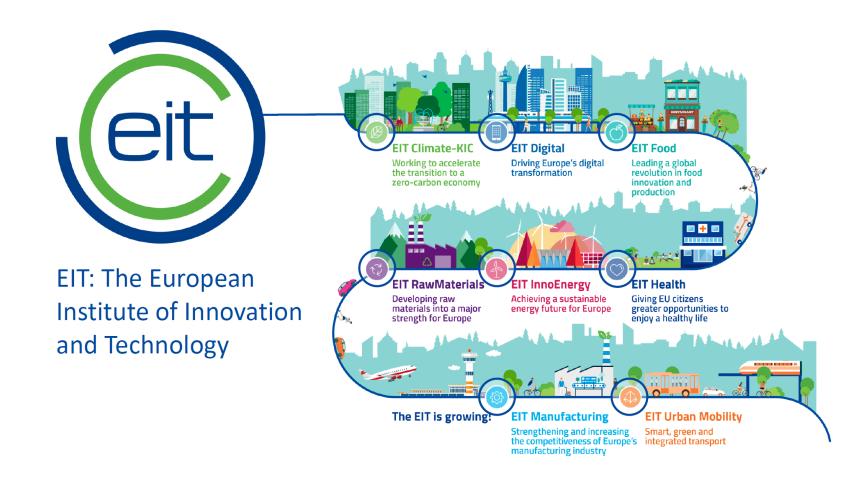
FIGURE 2-6: The KIC innovation model (source: EIT Health Campus, presentation by Dr. Ursula Muhle)







The KICs of the EIT



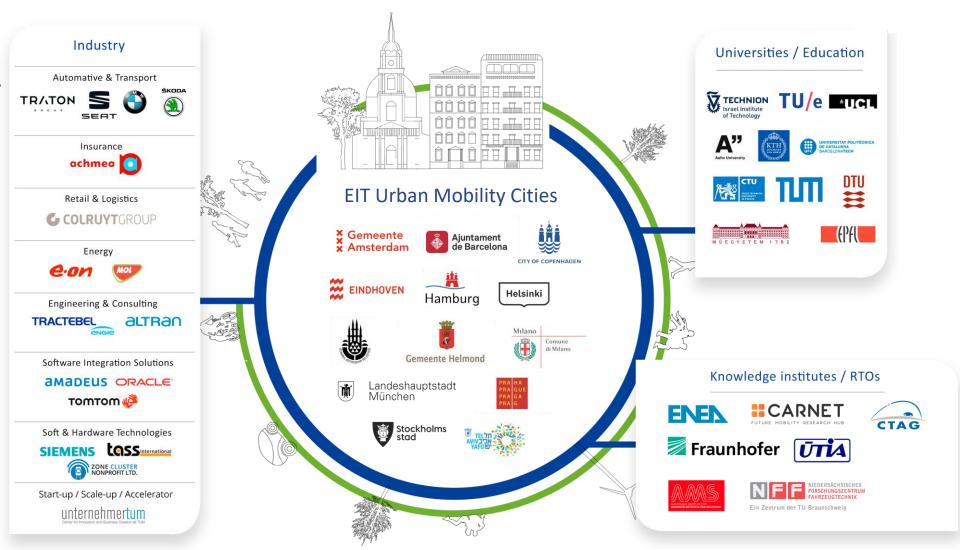




The **EIT KIC** Urban Mobility

EIT Urban Mobility engages people, connects communities, accelerates market opportunities and re-imagines public spaces. An innovation community to educate and inspire mobility solutions for 21st century cities.

We aim to become the largest European initiative for transformation of Urban Mobility, with EIT co-funding of up to 400 million EUR (2020-2026) to make this happen!

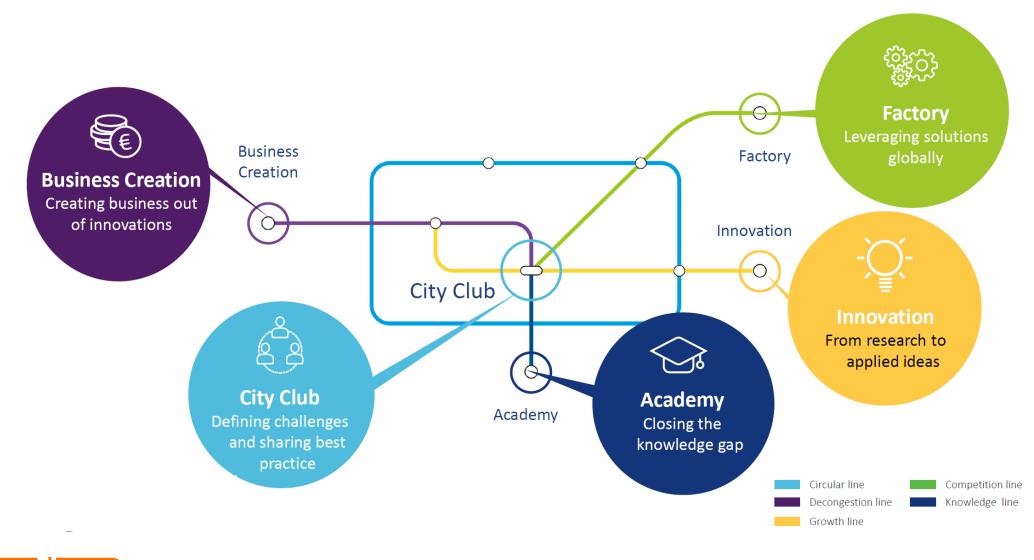








Funding Tracks of **EIT** Urban Mobility







Introduction to UrbanSmartPark - Project Facts

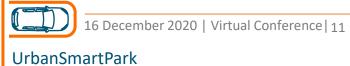
12 Month Project Duration
600,000 € Funding Volume

23 Countries
5 Work Packages €

850,000 € PROJECT
BUDGET









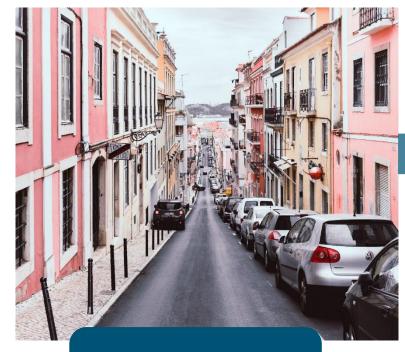


Motivation

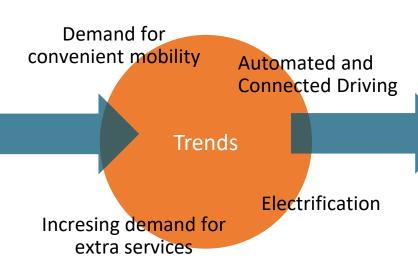
Increases congestion & emissions

Annoying Time-consuming Causes accidents

No added value Occupies valuable public space



Manual On-Street Parking





Automated On-Stree Valet Parking and Additional Services







Aim of the Project

The project UrbanSmartPark focusses on the development and pilot demonstration of automated vehicles that simplify driverless on-street inner-city parking and provide a broad range of possibilities for parking-related services.

Narrowed down to the two main objectives:

- 1. Design of customer-centric services provided by a services platform
- 2. Implementation and demonstration of automated on-street parking and services

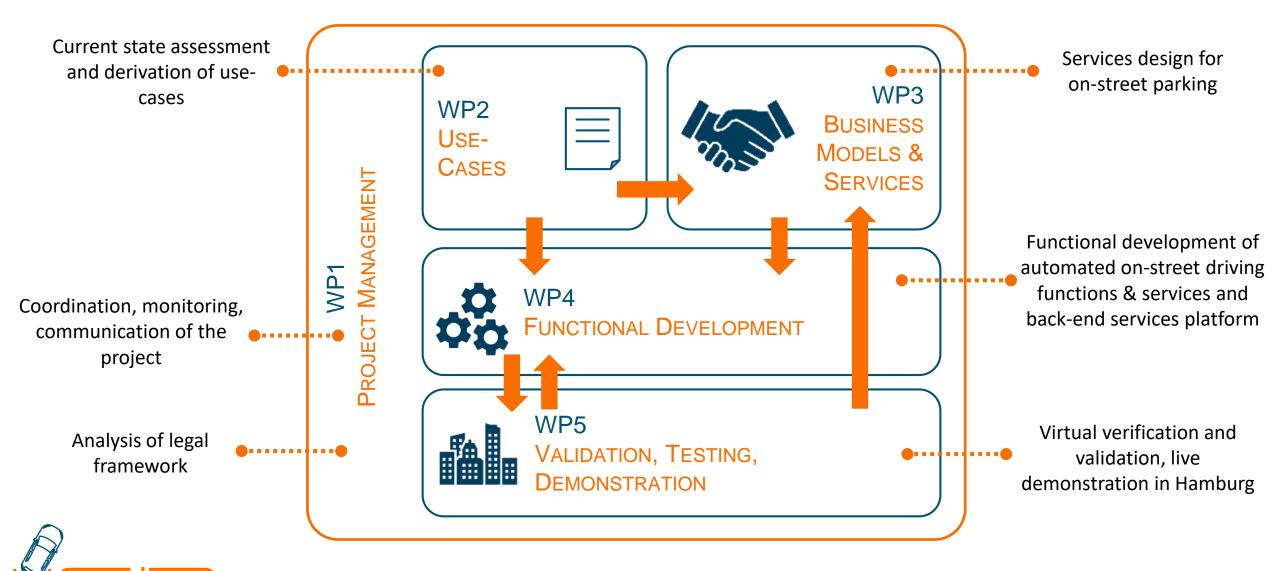
By the end of the project the prototypical implementation of automated on-street parking and parking-related services will be conducted in test vehicles and demonstrated in Hamburg with a **high outreach** increasing **technology awareness and technology acceptance**. Based on holistic market studies and customer surveys, **customer-centric services**, innovation and technology-driven on the one hand, close-to-market on the other hand, are elaborated and designed.







Workplan







Kick-Off Event 01/20

















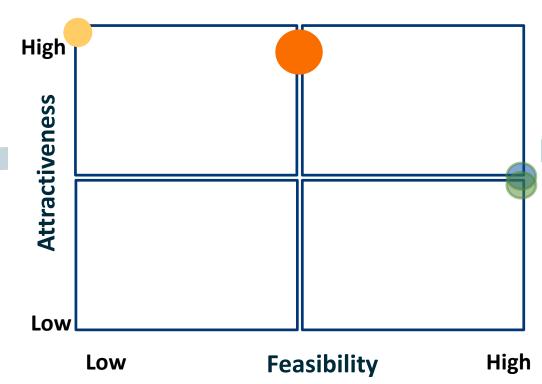
Kick-Off Event 01/20













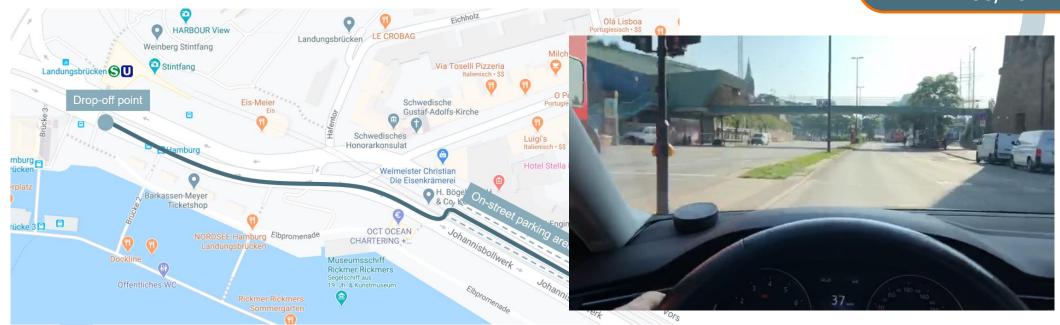






Use-Cases defined 04/20

Demonstration Area in Hamburg defined. Start of Functional Development. 06/20











Kick-Off Event / 01/20



Demonstration Area in Hamburg defined. Start of Functional Development. 06/20



Start of Customer
Surveys
07/20











Kick-Off Event 01/20

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Demonstration Area in Hamburg defined. Start of Functional Development. 06/20

First Digital Twin of Demonstration Area 08/20













Kick-Off Event 01/20

Use-Cases defined 04/20



Demonstration Area in Hamburg defined. Start of Functional Development. 06/20

Customer Experience
Assessment on
eRapid
11/20













Kick-Off Event 01/20

Use-Cases defined 04/20

Demonstration Area in Hamburg defined. Start of Functional Development. 120





Customer Experience Assessment on eRapid 11/20

Live demonstration Hamburg 12/20















Kick-Off Event 01/20

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First Digital Twin of Demonstration Area 08/20

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Live demonstration
Hamburg
12/20

Virtual Conference 12/20















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