



**PowerHUB**  
Power for Ventures



**Czech premiere: pilot operation of autonomous vehicles**

# Operation of Autonomous Vehicles at the Prague Exhibition Grounds

Great visitors interest in demonstration rides in October 2021 at the Exhibition Grounds



Start of vehicle operation at the Prague Exhibition Grounds from 1.6.2022



Duration from 12 to 36 months



Intent: Start of test operation on roads from 1.9.2022



Gemeente Helmond



CARNET  
Cooperative Autonomous Research Network



auvetech  
APPLIED AUTONOMY



HAMBURG  
ITS World Congress

# 2022 – Other locations

## Holešovice Market Hall



**Connection of the Market Hall  
with the Prague Exhibition Centre  
and the Zoo (from 1.9.2022)**



**Karlovy Vary**



**FCT Event Říčany – June 2022**



**Prague Zoo**

# 2022 – Benefits for partners

An attractive and unique form of PR and marketing

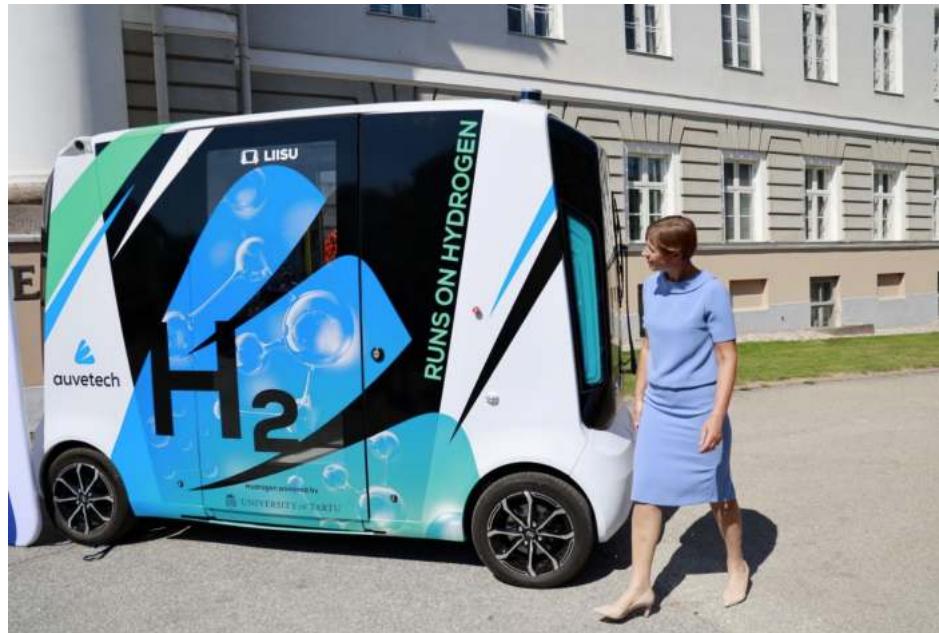
Guaranteed increased attention from the media, professionals and the general public



# 2022 – Benefits for partners

Exclusive access to new technologies and the opportunity to gain important data and insights in higher growth segments.

Visibility as an innovator of modern technologies in the field of sustainable transport and logistics (Autonomy, Electro, H2, 5G technology).



# 2022 – Benefits for partners

**Strengthening the perception  
of the partner as a socially  
responsible company  
supporting sustainable  
economic development**

**Supporting proprietary ESG  
programs that enhance  
shareholder value (McKinsey).**



## We are looking for



**Strategic  
partners**



**Investory**



**Startups &  
innovators**

## Join a strong ecosystem



**Join our ecosystem to solve technology challenges with innovative solutions**

**Join us and take advantage of investment opportunities in the latest technology solutions**

**Test and put the latest technologies into practice with us**

Promotion

Branding

Unique  
visibility

# We offer

Prominent brand placement on vehicles, in marketing, communications, media outlets and events



Na Výstavišti

**Technological  
Test Bed**

**Real life  
environment**

**Competitive  
advantage**

**We offer**

**5G**



# Become a partner

We create the partnership programme together...

... according to Your vision

... according to Your priorities

... within Your budget



... we are flexible



# PowerHUB

Power for Ventures

Toufik Dallal

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PowerHUB z.ú.

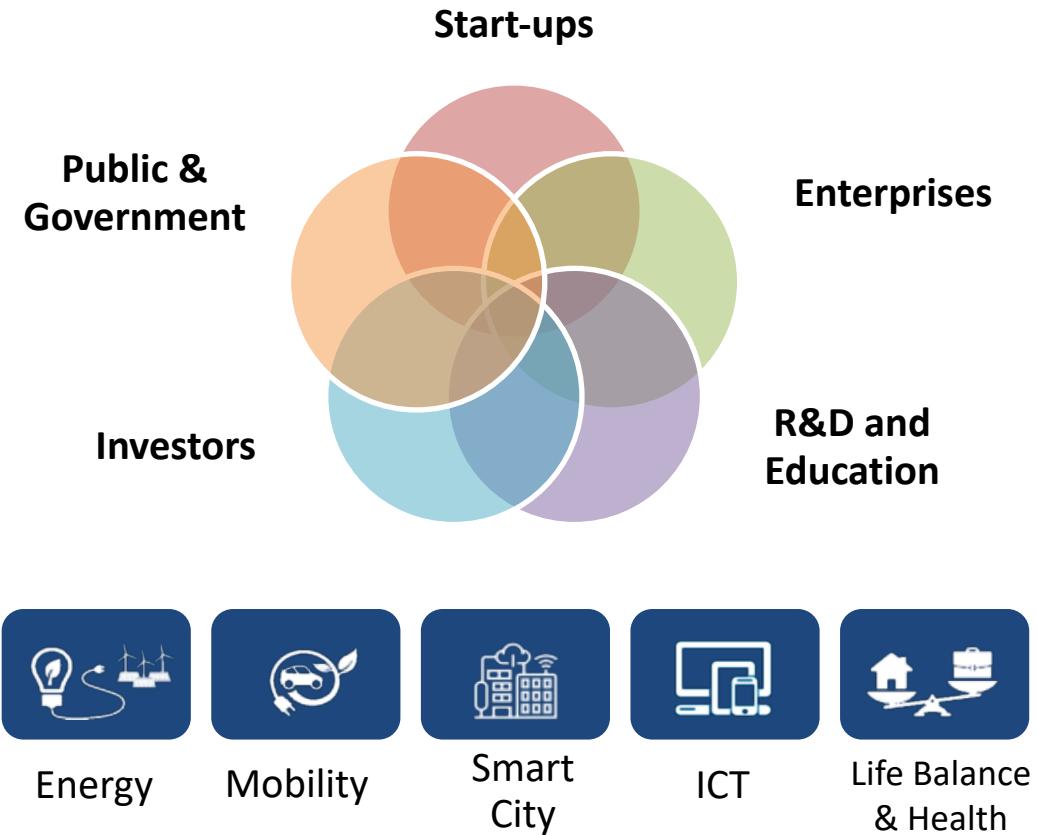
nám. Kinských 6, 150 00 Praha 5

Partners for AV vehicle testing



# Backup slides

# We give Power for Ventures since 2010



**PowerHUB**  
Power for Ventures



INV/E/N CAPITAL

**Panasonic**



InnoEnergy  
Knowledge Innovation Community

# Context



Connected and autonomous last-mile shuttles add value to multimodal, sustainable and intelligent next-generation mobility solutions

Increasing concentration of population in cities

New challenges for managing the mobility needs of people and goods

Advances in digitalisation and connectivity technologies

New opportunities to transform cities into smart sustainable environments

Na Výstavišti



# Technologies from the PowerHUB portfolio (PowerHUB 2021 Accelerator Programs)

TalTech University Campus



Tallinn Zoo



Estonian Open Air Museum



Ülemiste City Business District



WRC Rally Estonia



Lamia, Greece



Hiedanranta Smart City District

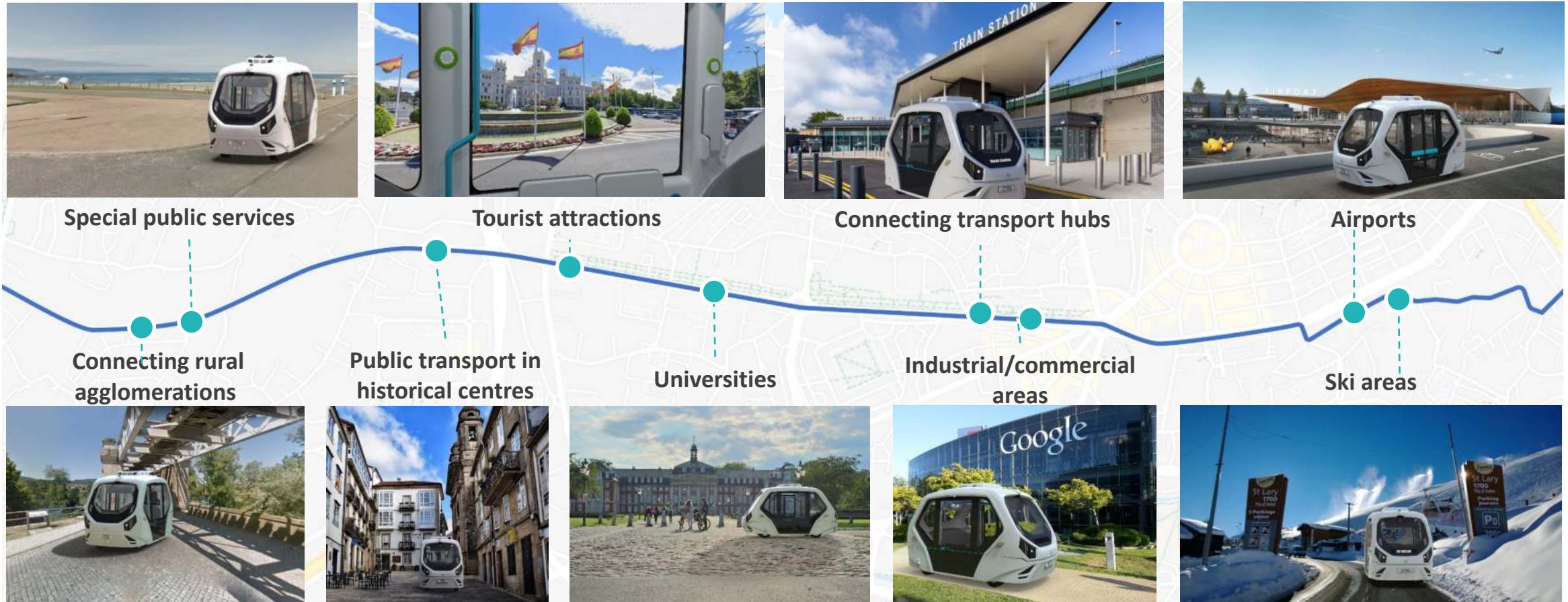


Spain



# Various operating environments

Allows you to meet the needs of safe and sustainable passenger transport in a variety of environments, whether urban or rural



# 2022 – Advantages of closed loop testing

**Safe space: does not restrict or endanger road traffic**

**Saves time: faster deployment and implementation without waiting for final regulation**

**Fast construction of 5G connectivity - business park solutions**

**Wide popularization within the development of the area**

**Increased attractiveness of the Prague Exhibition Centre and support for investments in the area**

# Functions and features - Different models



## MAIN CHARACTERISTICS

- Connected
- Autonomous
- Electric
- Up to 11 hours autonomy
- Dimensions: 5200mm (l) x 2770mm (h) x 2275mm (w)
- Capacity for 12 passengers
- Disabled passengers friendly

## CCAM FUNCTIONALITIES

- L4 Automated Driving
- Hybrid Connectivity Unit (4G/LTE, ITS-G5, 5G)
- C2X Services
- Real-time remote management
- Intelligent routing services



# Functions and features - Different models



Operating time per charge	8 hours
Cruising speed	up to 25 km/h
Passengers	8 seated
Length	3500 mm (147.79")
Width	1500 mm (59.06")
Height	2400 mm (94.48")
Curb weight	1250 kg (2,755 lbs)
Wheelchair accessibility	yes, electric ramp
Air conditioning	yes
Teleoperation capability	yes



In-house  
manufacturing



LiDARs,  
cameras, GPS



Fleet  
teleoperation



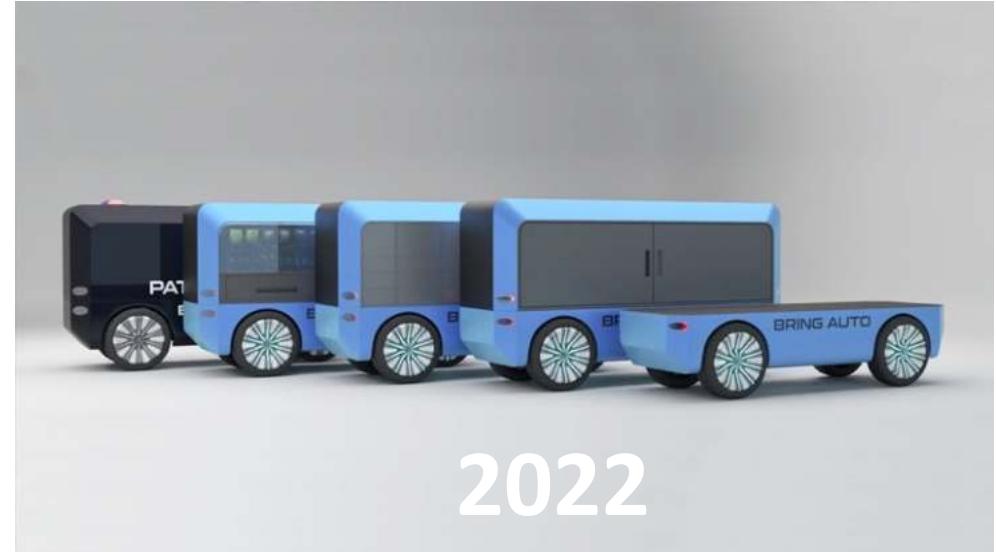
# Functions and features - Different models

**BRING AUTO**

**Teleoperated and autonomous electric delivery robots**



Operations in industrial areas



Last mile delivery robots, cargo transportation  
for industrial areas.