SHOW Ideathon

15.01.2021

Welcome to the SHOW Ideathon!

Who are we?

Evelien Marlier

Delphine Grandsart

European Passengers' Federation
Fédération Européenne des Voyageurs
EPF
Europäischer Fahrgastverband
Europese Reizigersfederatie

Frank Daems

Nikolaos Tsampieris

Jana Habjan

ERTICO

Evangelos Bekiaris

Matina Loukea

CERTH
CENTRE FOR
RESEARCH & TECHNOLOGY
HELLAS

Henriette Cornet

UITP
ADVANCING
PUBLIC
TRANSPORT

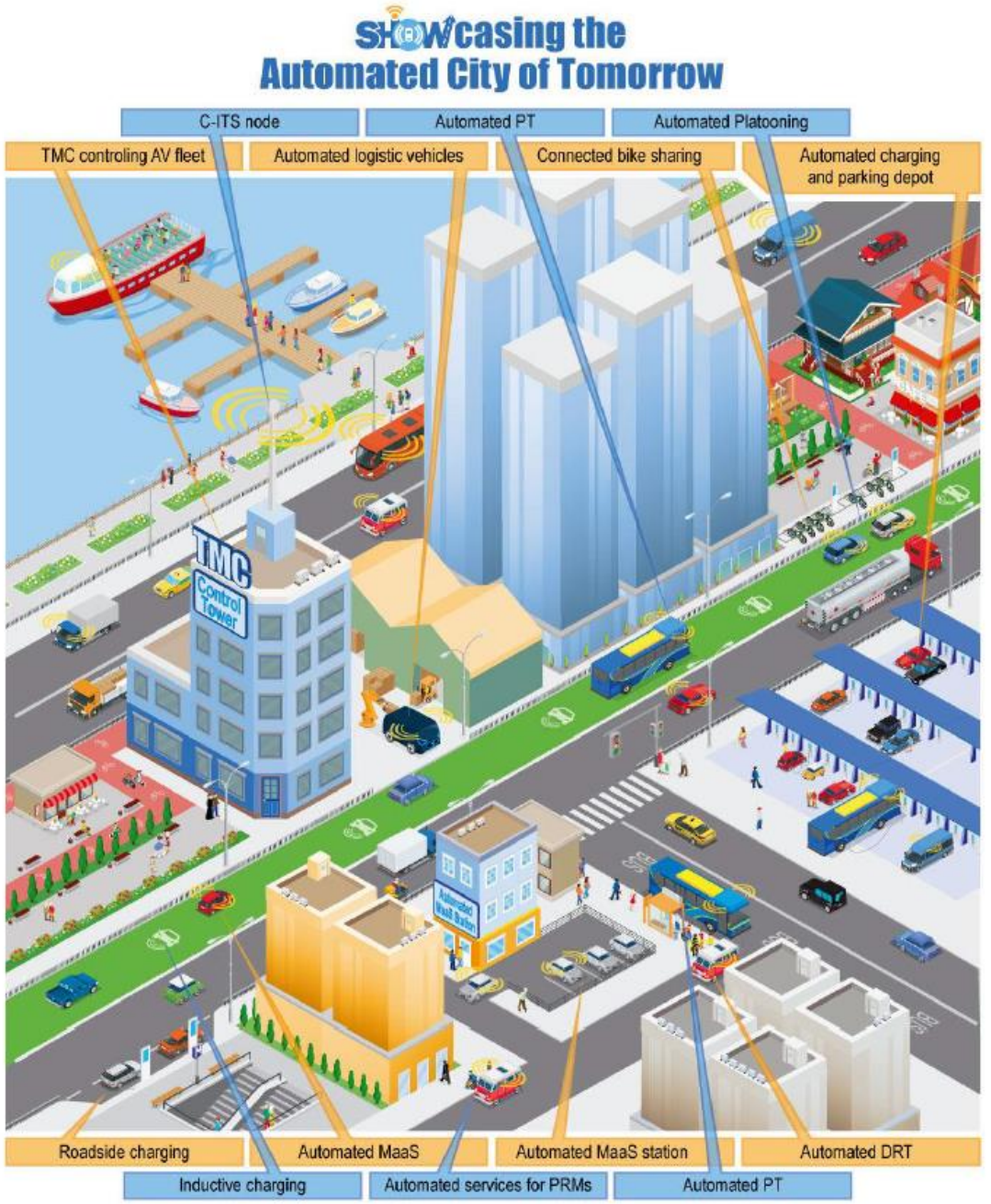
Peter Staelens

EURO
CITIES

What can you expect today?

- Be part of discussions about the future of mobility
- Learn about automated mobility and the way it can be deployed in citizens' life
- Tell us about your expectations towards automated mobility

No prerequisite needed ☺



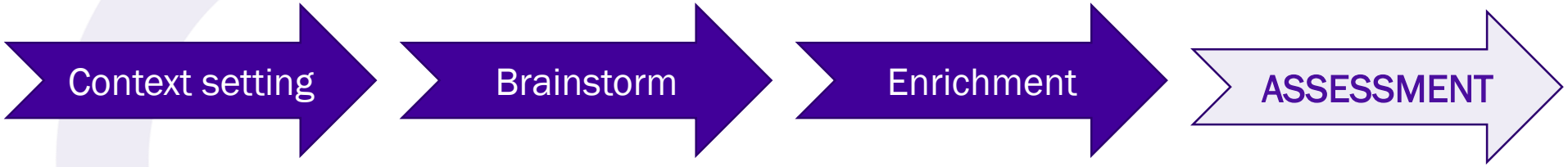
Agenda

SHOW Ideathon – 15.01.2021

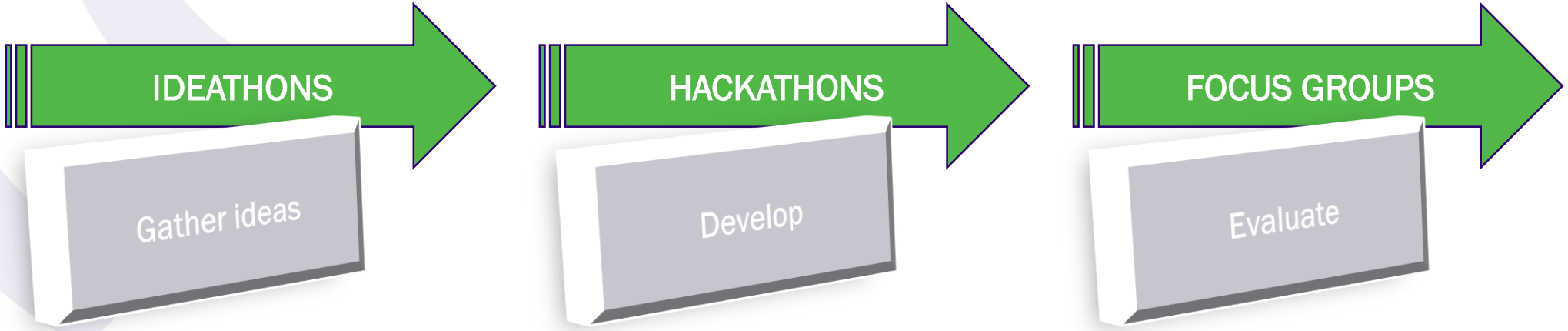
Time	Agenda item
09:30 - 10:15	Welcome & Introduction to SHOW End-user expectations and needs Today's scenarios and challenges
10:15 - 10:30	Coffee break
10:30 - 11:15	Parallel sessions – Brainstorming • *Driverless shuttle for first/last mile* • *Door-to-door delivery of persons and goods* • *Mass transit with driverless buses* • *Shared on-demand Robotaxis*
11:15 - 11:30	Coffee break
11:30 - 12:15	Plenum session – Enrichment of ideas
12:15 - 12:30	Conclusions and closing

What will we do with your input?

Today: your feedback on SHOW solutions

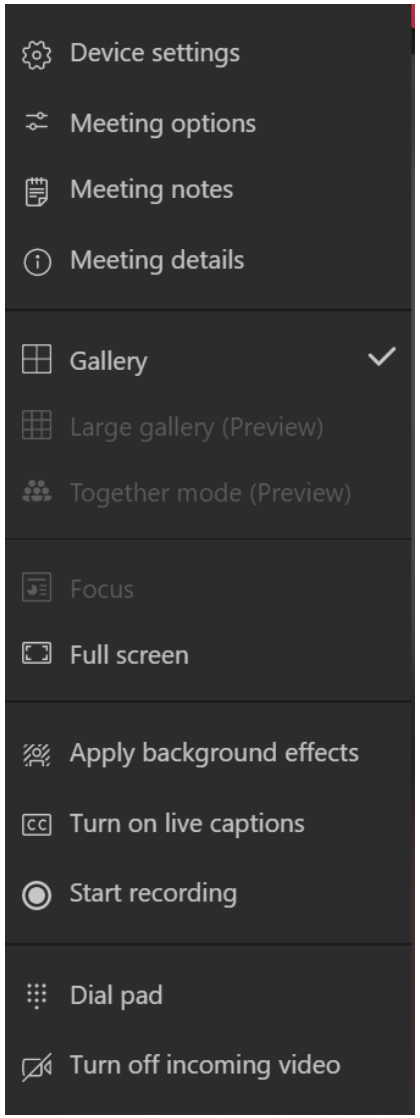


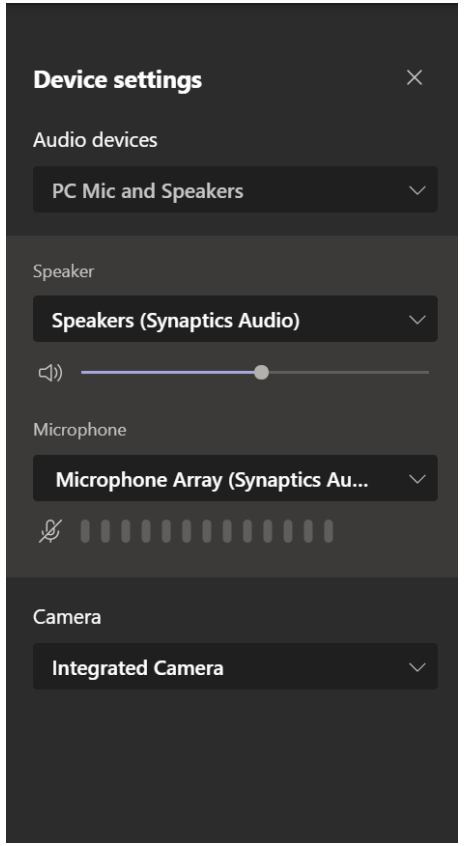
What happens next?



Practical stuff

- Raise hands if you want to speak
- Chat is also possible
- Unmute yourself and (preferably) switch on your camera when speaking
- **This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded.**
- Parallel sessions: connect again using a different link per group
- Polls: through SLIDO





Join at

slido.com

#1847

Introduction to SHOW

Context of the Ideathon

Automated Mobility Services

Driverless /
Self-driving vehicles

Services provided for specific purposes, e.g.

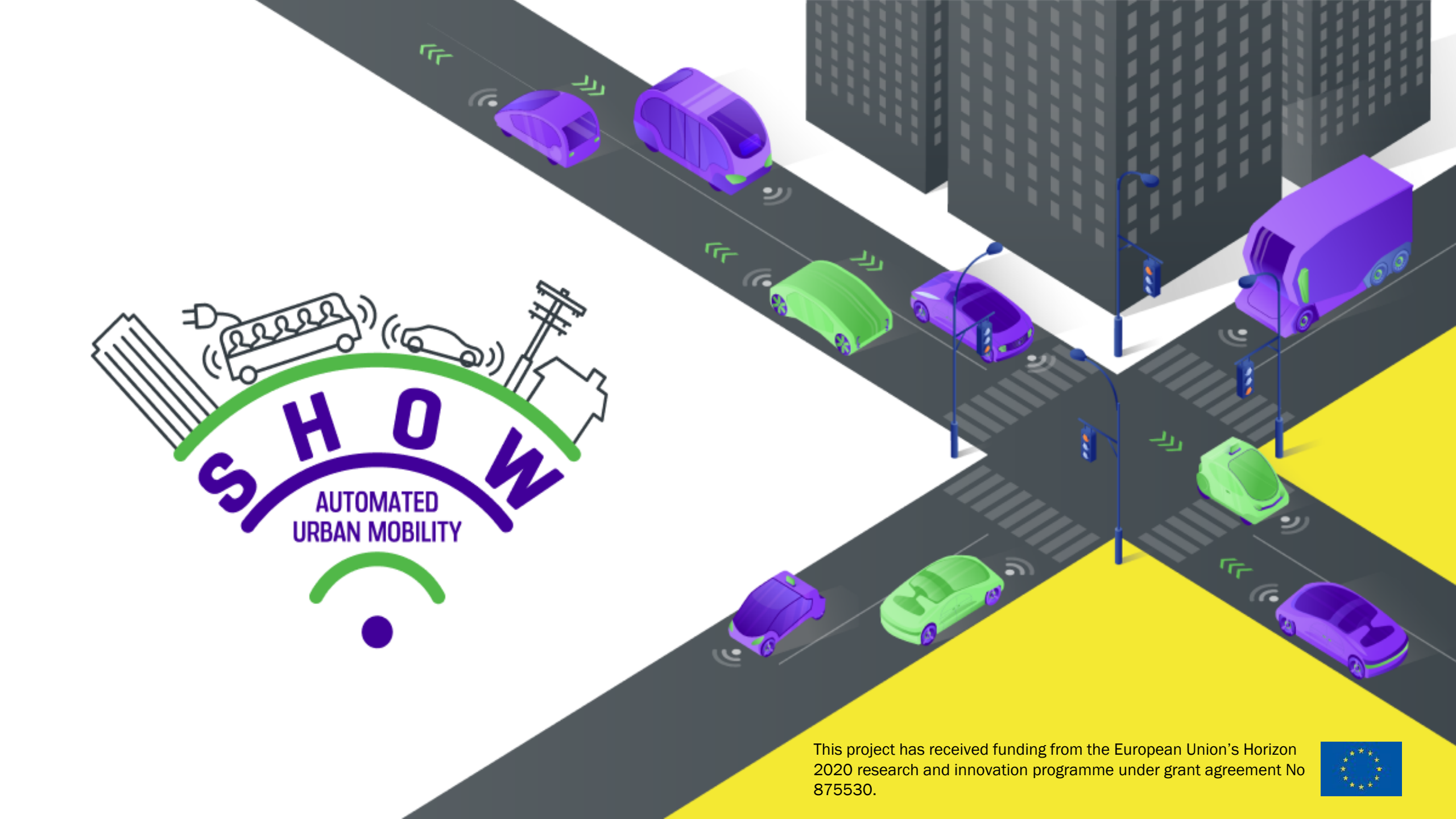
- Link between your home and the metro
- A door-to-door service (like a taxi)
- A goods delivery service
- Mass transit on prioritized lanes
- …

What is “automated mobility”?

- Automated vehicles have the potential to:
  - bring down road fatalities to near zero
  - increase accessibility of mobility services
  - help to reduce harmful emissions from transport by making traffic more efficient

- Do you recognize these Automated Vehicles? ☺



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 875530.

SHOW in a nutshell

SHared automation Operating models for Worldwide adoption

SHOW aims to support the deployment of shared, connected and electrified automated vehicles to advance sustainable urban mobility

69 partners from 13 EU-countries

January 2020 – December 2023 (48 months)

Project frunded by the European Commission

SHOW's objectives

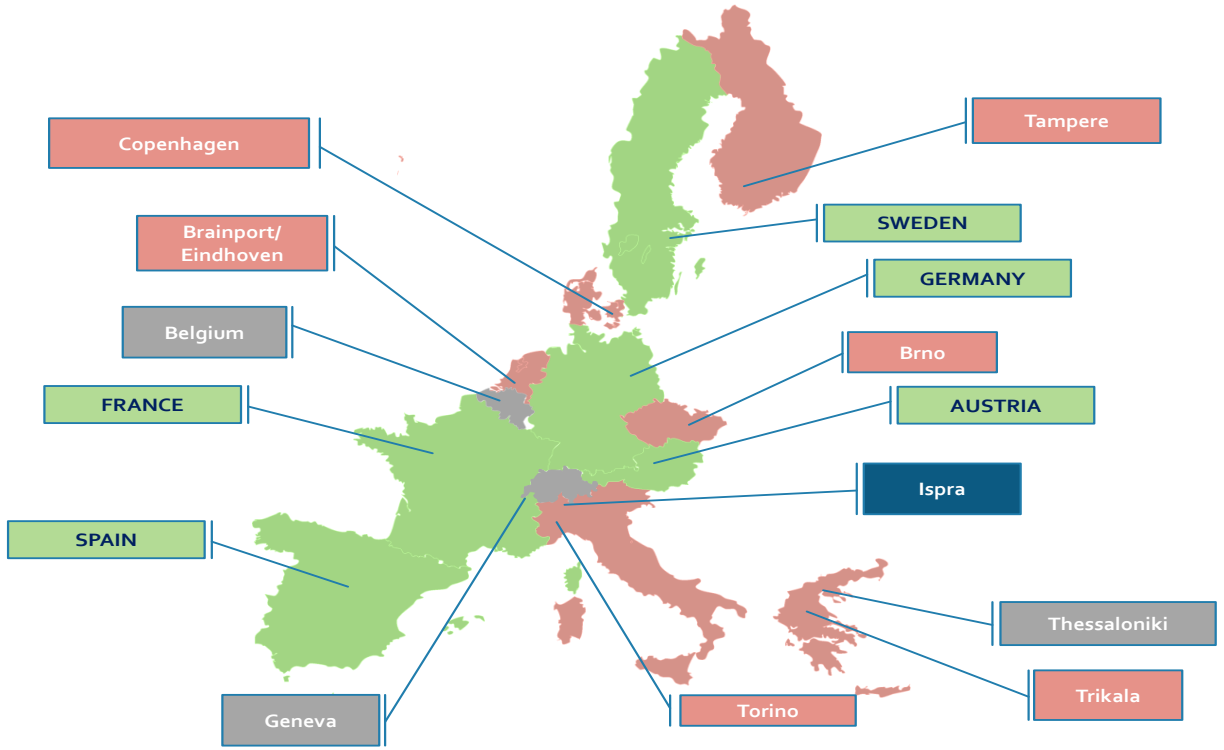
Develop technical solutions & business models to enhance travelers' experience in cities

Deploy shared, connected, electrified fleets of AVs for shared mobility

Conduct real-life urban demonstrations taking place in 20 cities in Europe for at least 12 months

SHOW demonstration

Mega Sites	Satellite Sites	Follower Sites	Technical verification and commissioning Site



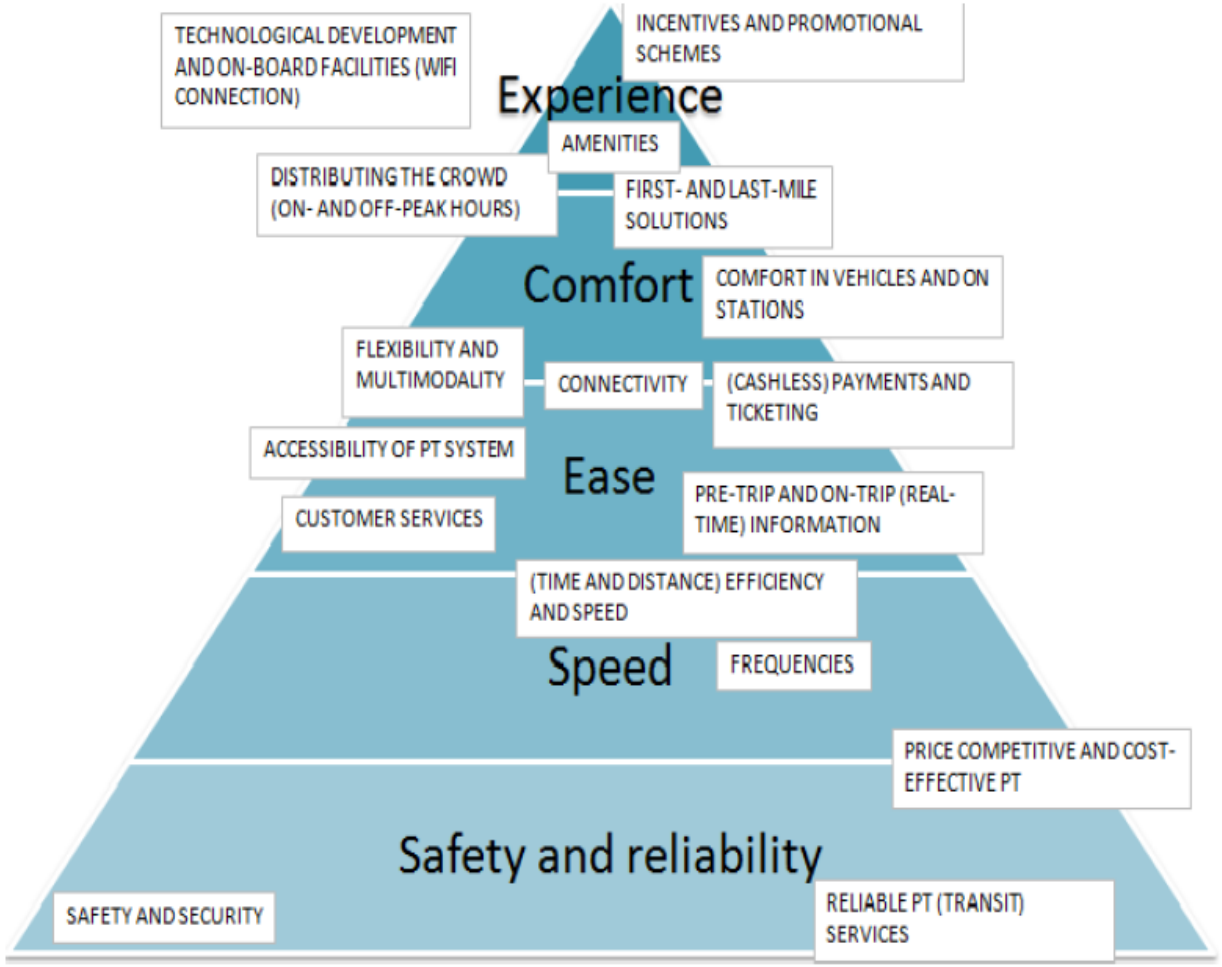
End-user expectations and needs

Join at

slido.com

#1847

What do the end-users need?

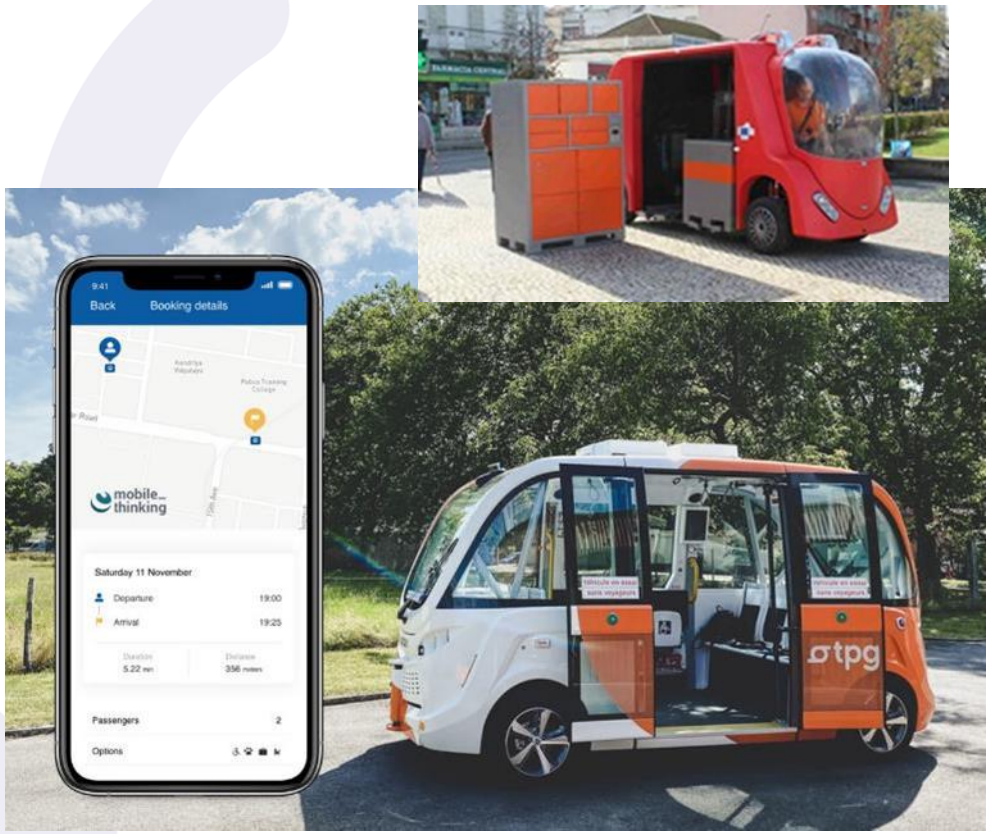


Today’s topics

Scenario 1:
Driverless shuttle for first/last mile

- Driverless shuttles
- Operates between subway station and suburbs with limited PT
- Mixed traffic environment
- Maximum speed: 20km/hr in residential areas
- Fixed route
- Hailing system, no prebooking
- Frequency: every 10 minutes between 7AM and 10PM
- Capacity: 8 passengers

Scenario 2:
Door-to-door delivery of persons and goods



- Transport of passengers and goods
- Delivery and collection of parcels, using secured lockers inside the vehicle
- Online tracking of delivery
- Mixed traffic environment
- Maximum speed: 30 km/hr in residential areas, 50 km/hr on secondary roads
- No fixed routes or stops
- Variable price
- Can be ordered and paid through a mobile app (no hailing possible)

Scenario 3:
Mass transit with driverless buses

- Driverless vehicles
- Operating on axes with high demand
- Mostly on dedicated lanes
- Maximum speed: 50km/hr in cities, 110km/hr on highways
- Accessible bus stops enabling wheelchair access and fast boarding & alighting
- Fixed price per trip
- Integrated in the PT ticketing system

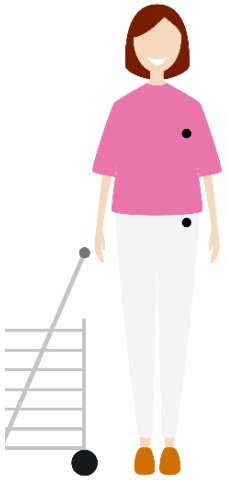
Scenario 4:
Shared on-demand Robotaxis

- Door-to-door on demand taxi service
- Fully autonomous
- Mixed traffic environment
- Maximum speed: 30km/hr in residential areas, 110km/hr on highways
- Capacity for 4 passengers
- No fixed routes
- Variable price
- Can be ordered and paid through a MaaS app

Mobility Personas

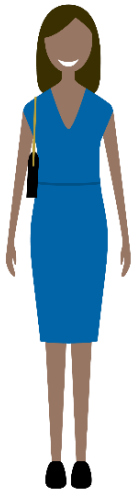
- Commutes primarily by bus
- Restricted budget
- Uses app for real-time information

Michael
20, student



- Owns a car but prefers public transport for costs & environmental reasons
- Adapts her mobility if travelling with kids

Marie
42, stay-at-home mum



- Works in the city centre
- Prefers shorter walk
- Needs reliable services

Josephine
29, works at a bank

- Uses walking stick for short distances and wheelchair for long distances
- Wants to avoid crowds
- Has a smartphone but uses it only for phone calls

Peter
72, retired

Let’s start

- Don’t be shy
- There are no right or wrong answers
- Think from the end-user perspective
- Enjoy!

Move on to the parallel sessions

1. Driverless shuttle for first/last mile
2. Door-to-door delivery of persons and goods
3. Mass transit with driverless buses
4. Shared on-demand Robotaxis

Follow us on social media and register to the newsletter!

@SHOW_H2020

http://linkedin.com/company/showh2020/

https://show-project.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 875530.