



# GACHA

By Harri Santamala CEO



OUR VISION



Steering  
towards  
a smarter  
planet

THE FUTURE  
OF DRIVING IS  
AUTONOMOUS  
AND SHARED





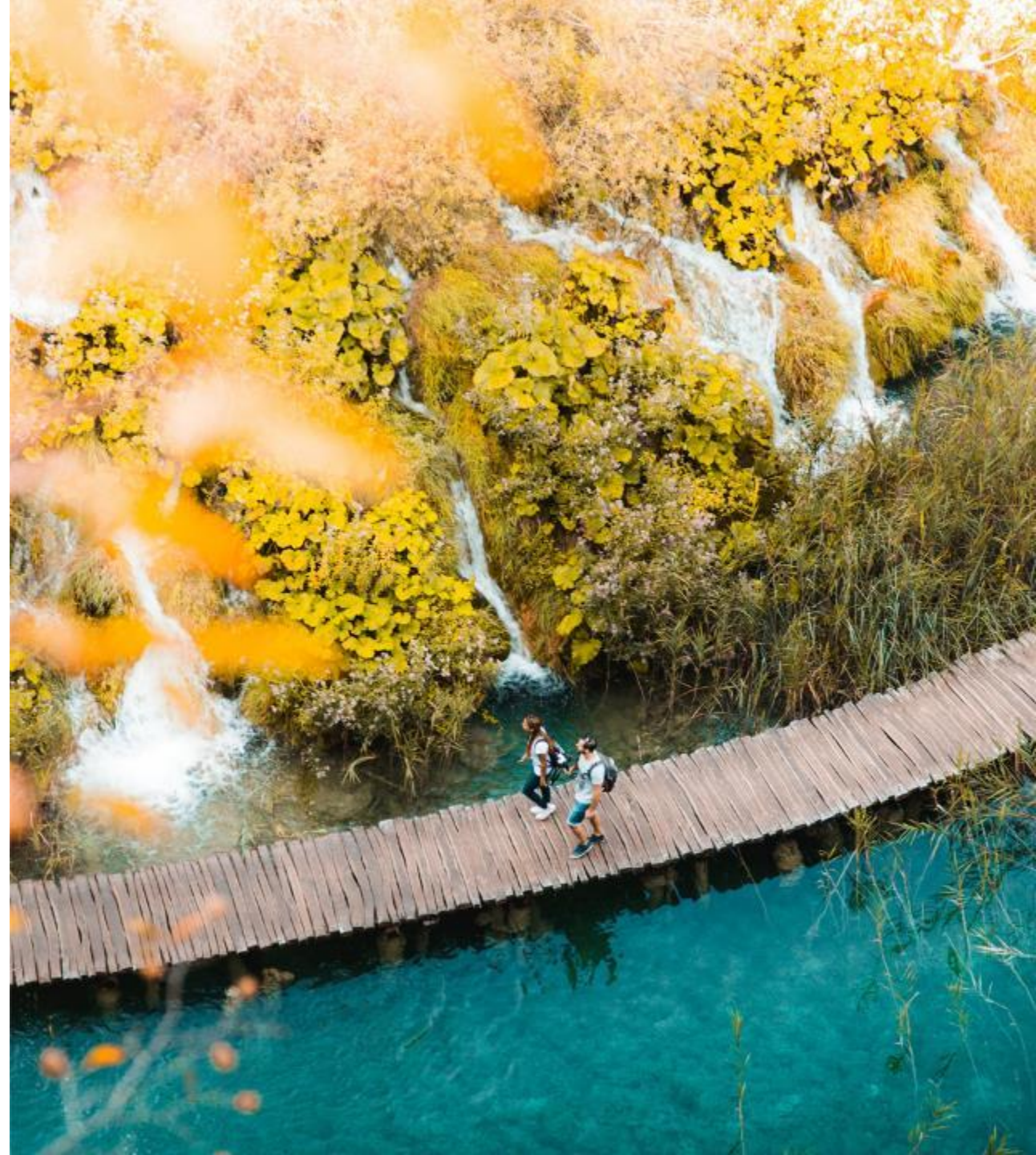


# SELF-DRIVING EVERYWHERE

...all the time



MORE ROOM  
FOR LIVING







# GACHA

Self-driving Shuttle Bus for All Weather Conditions





sensible<sup>4</sup>

**MUJI**  
**無印良品**

TOGETHER IN PARTNERSHIP





**GACHA**

designed by MUJI

# WITH TOP INDUSTRY AND PUBLIC PARTNERS



## BY PPP COLLABORATION



# GACHA LAUNCH 2019



# GACHA

## TECH SPECS

Capacity: **10 seats, 6 standing**

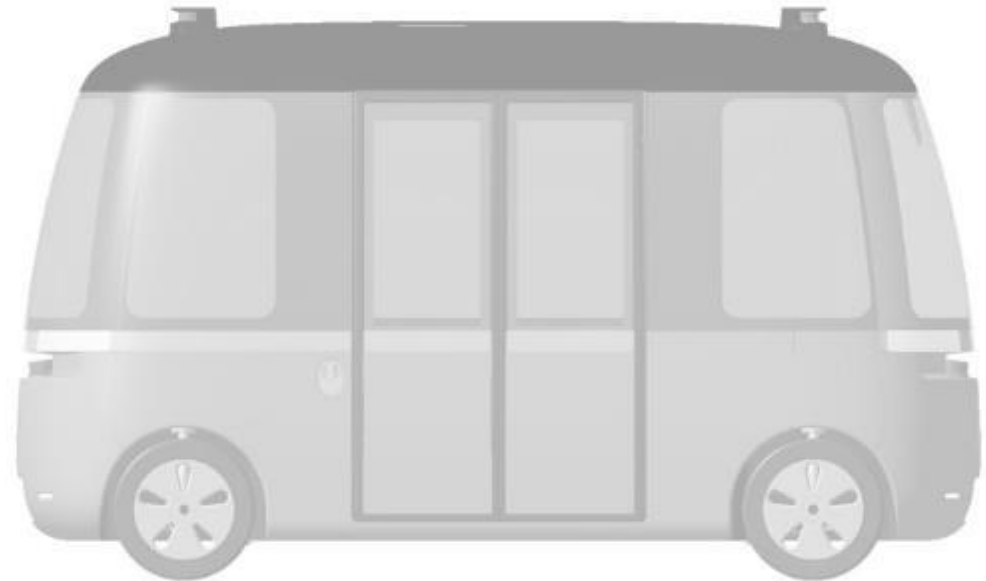
**Easy access for people with limited mobility**

**Exterior displays around the vehicle for vehicle to human communications**

Max speed: **40 km/h autonomous**

Powertrain: **4WD electric**

Range: **100+ km**



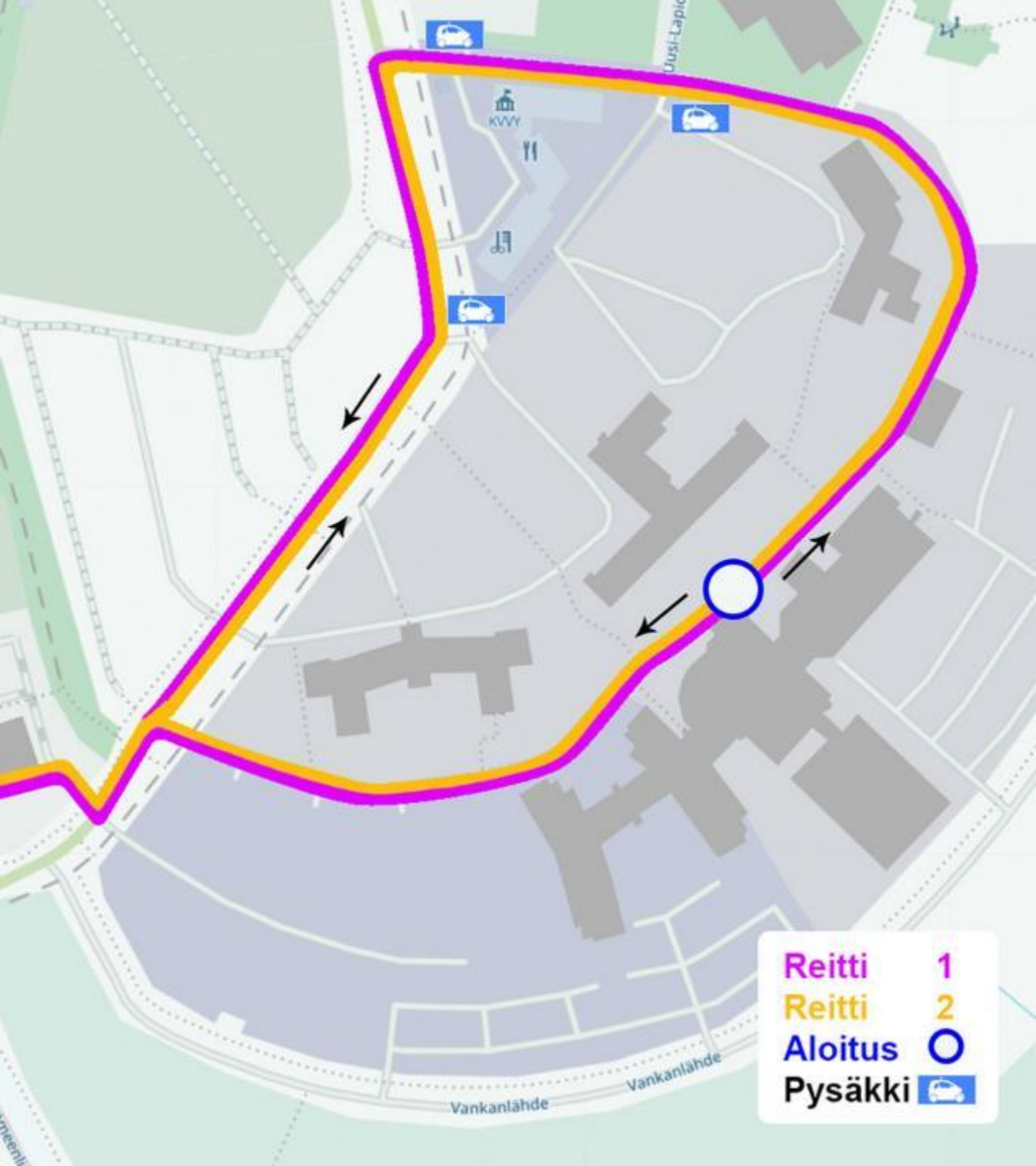


# GACHA BUS

**The first autonomous shuttle in the world for all weather conditions!**


- Developed with MUJI (premiere in March 2019)
- Last-mile use-cases, campuses, resorts etc.
- Customers are public transportation operators & cities
- Development fleet of 4-6 AV shuttles 2020
- First fully operational fleets in 2021
- Discussions on going with OEM's for production partnership





# ...NOW TOWARDS OPEN ROAD

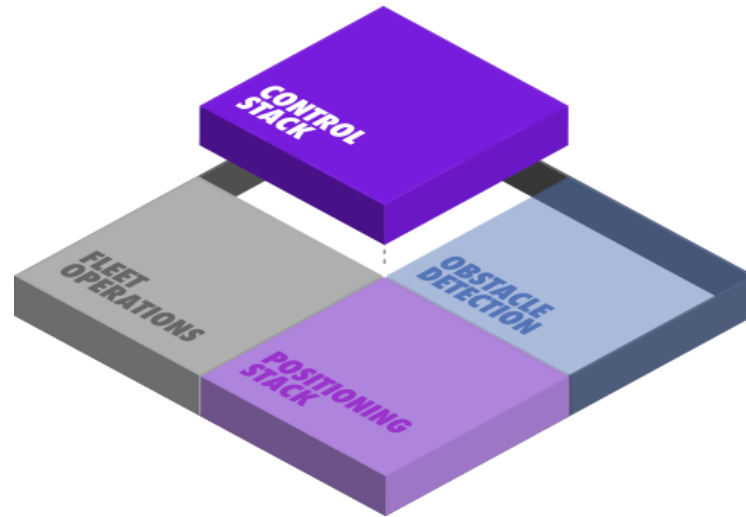
BY PPP COLLABORATION

- Reitti 1
- Reitti 2
- Aloitus ○
- Pysäkki 





# AUTOMATION SYSTEM



TRANSFORMING REGULAR VEHICLES  
INTO AUTONOMOUS ONE

# OUR PAST MOBILE ROBOTIC PROJECTS



1980

1990

2000

2010

2020





**IN '93**

**FIRST AD VEHICLE**



1985

**1993**

1998

2007

2016

IN '07 THE FIRST FINNISH

AUTONOMOUS CAR



1985

1993

1998

2007

2016





WE ARE SENSIBLE 4

4

## WEATHER PROBLEM

Autonomous cars **cannot drive** in snow, heavy rain, fog or other difficult conditions

For large scale commercial operations **they must function all the time**





THE FUTURE

IS NOW





# KIITOS!

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