SELF-DRIVING EVERYWHERE

HARRI SANTAMALA
CEO - FOUNDER
FINNISH SELF-DRIVING TECHNOLOGY COMPANY, DEVELOPING FULL-STACK AUTONOMOUS DRIVING SOFTWARE THAT TURNS ANY VEHICLE INTO SELF-DRIVING AND ENABLES THEM TO DRIVE IN ALL WEATHER CONDITIONS AND ENVIRONMENTS.

IN NUMBERS

95
Full-time Employees

20
Nationalities

2017
Founding year

€6 million
Series A Funding
MOBILITY IS CHANGING

THE FUTURE OF TRANSPORTATION

Several mobility-megatrends are taking place at the moment, changing how we move.

The future of transportation is Connected, Autonomous, Shared, and Electric

OUR MISSION

To make shared driverless mobility mainstream.
THE PROBLEM
BAD WEATHER

For autonomous vehicles to become part of everyday life, they must work in everyday driving conditions.

Most people in the world live in places, where rain, fog, snow, poor road markings and changing environments are very common.

Self-driving vehicles today struggle to drive autonomously in bad weather. For self-driving to become widely adopted, vehicles have to work everywhere, all the time.
WE’VE SOLVED THE PROBLEM OF BAD WEATHER AND DRIVING CONDITIONS FOR AUTONOMOUS VEHICLES

Our software turns any vehicle into self-driving (Level 4) and allows them to operate even when it is raining, snowing or during fog. And in all environments.
WE’VE ENABLED SELF-DRIVING SINCE THE 80s

Our story stretches back to the mid-80s.

Sensible 4 is a spinoff from one of the first mobile robotics research labs in the world — The Automation Technology Research Group at the Helsinki University of Technology.

30 years of research had given us a head start, compared to most of our rivals, many of whom didn’t exist when we were first experimenting with driving in snow.
OUR TECHNOLOGY AND INNOVATION

SUPERIOR POSITIONING AND NAVIGATION

Positioning is using several sensors and pre-mapped driving routes. No lane-markings, GNSS, beacons or other infrastructure are needed.

Probabilistic data processing effectively removes outliers such as rain and snow, providing weatherproof autonomous driving.

Our proprietary mapping algorithm reduces data handling by up to 90%. This significantly reduces the need for computing hardware and lowering power consumption.
OUR SOLUTION
AD-KIT

A complete automation system for shared driverless vehicles — that works all-year-round and in all environments.

For OEM’s and other companies who want to turn their vehicles into self-driving.

- Only one that functions in all weather conditions
- Full-stack SAE Level 4 Autonomy
- Platform free – Integration possible with any vehicle
- Best-in-class Positioning system
FROM LOCAL PILOTS TO PERMANENT OPERATIONS

2018–2019
PILOTS IN 3 FINNISH CITIES
Pilots in cities of Vantaa, Hämeenlinna and Espoo (Nokia HQ campus area) Finland.

Spring 2020
PILOT WITH FLEET + REMOTE OPERATIONS
FABULOS: Current pilot with a complex, urban traffic area of our capital, Helsinki.

Fall 2020
FIRST INTERNATIONAL PILOTS
Two pilots in Norway (FABULOS and Ruter in Oslo). New fleets of Toyota vehicles and a new service partner, Holo.

2020–2021
EXPANSION TO JAPAN, SINGAPORE, DUBAI, CHINA
Many new projects with new vehicles building up in Japan, Singapore, Dubai and China.
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