Mobility for the 2020s: A Progress Report from the Frontlines
Mobility for the 2020s

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Mobility for the 2020s

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Autonomous Mobility

Uh, Houston, (do) we have a problem(?)
A MASSIVE PARADIGM SHIFT

4TH INDUSTRIAL REVOLUTION - SHARING RATHER THAN OWNING

Digitalization and automation of transportation of people and goods

From ownership economy to shared economy

On average, a personal car is used only 5% of the time

"The auto industry will change more in the next 5 to 10 years than it has in the last 50"

Mary Barra
CEO and Chairman of General Motors
THE NEED FOR NEW MOBILITY SERVICES

AS POPULATION GROWS, THE DEMAND FOR URBAN MOBILITY IS RAPIDLY INCREASING

Global urbanization will cause huge challenges for mobility service providers and cities around the world, forcing them to find sustainable mobility solutions.

60% of the world’s population will live in cities by 2030*

*according to McKinsey&Company
Robotaxi services will help the ridehailing business grow from $36 billion in revenue to $285 billion by 2030.

**Autonomous Mobility Is Happening**

**Engadget**
December 2018 - Waymo launches a commercial self-driving car service.

**Financial Times**
Ford plans driverless network ‘at scale’ by 2021.

**Forbes**
10 million self-driving cars will hit the road by 2030.

**Digital Trends**
March 2018 - Nissan begins field tests of its Easy Ride driverless robo-taxi in Japan.
NEW MOBILITY SERVICES ARE GROWING

Mercedes’ ridesharing service comes to London

BMW and Daimler agree to merge mobility service businesses

Arlington to End Bus Service, Replace with Rideshare App

New mobility survey finds over \( \frac{1}{3} \) of Americans are combining public transit with ridesharing

The integration of micro-transit services with public transport enhances the quality of offerings, decreases the operating costs and widens service areas.
SO MOBILITY IS CHANGING FAST

SHARED, AUTONOMOUS AND ELECTRIC VEHICLES (SAEV) WILL RESHAPE MOBILITY

~80m AUTONOMOUS VEHICLES* BY 2030

92% of all new SAEVs will be sold to fleets

*autonomous = level 4/5 cars, in the U.S., the E.U., and China (PwC)
AND THE BENEFITS WILL BE REAL

- **DECREASE CONGESTION**
- **REDUCE POLLUTION**
- **IMPROVE PUBLIC OPINION**
- **ENHANCE QUALITY OF LIFE**

**EFFECTS ON TRAFFIC**
**GREENHOUSE GAS**
**CUSTOMERS & PUBLIC**
**LESS NUISANCE**
AND THE TECH IS READY...

- **GLOBAL AGGREGATOR PLATFORMS (MAAS)**
- **BIKES**
- **Scooters**
- **Carsharing**
- **P2P Marketplaces**
- **B2C Professionals**
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- **PUBLIC TRANSIT**
- **Fleet Orchestration Platform**
- **BESTMILE**
- **FLEET PLATFORM PT**
- **INRIX**
- **CITY PLATFORM**
- **Drivers**
- **OEM Platforms**
- **Fleets Shared Between Mobility Service Providers**
BUT WHERE ARE THE FULLY AUTONOMOUS VEHICLES ?!
WE NEED MORE VEHICLES !!!
THE TECH TO POWER SHARED MOBILITY

Grégory Ducongé, CEO
EVERY 2 SECONDS SOMEONE STARTS A TRIP POWERED BY OUR TECHNOLOGY

https://www.youtube.com/watch?v=hYWF2dY
“VULOG IS TO CARSHARING
WHAT INTEL IS TO COMPUTING”
1/3 of all kilometers *driven* could involve sharing concepts by 2030 *

*Source: PWC*
CITIES AT THE FOREFRONT OF THIS REVOLUTION

MAAS

CHARGING

PARKING

DATA
ADAPTING TO MAJOR CHALLENGES

• Pollution

• Congestion

• Millennials

• Shared Eco

CLIMATE CHANGE

URBAN DENSITY

SOCIETAL CHANGES
OUR TECHNOLOGY
WE ARE PREPARING
THE AUTONOMOUS FUTURE
AT VULOG, WE BELIEVE SHARING IS CARING AND WE LIVE OUR VALUES
Aimo is a free-floating carsharing service with 100% electric vehicles.

It starts operating in Sweden on October 31, 2018 with 300 electric cars.
THANK YOU
TAK!

Questions? Let us know!