

# From pilot phase to market deployment: current bottlenecks

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SECTION 01

# Company introduction



**By providing the missing pieces between the manufacturers and the users, Ush wants to drive and accelerate the shift towards ACES mobility**

The shift from standard manual driven vehicles to ACES vehicles will be gradual. The sector is in full development and the roles of the different players are still to be defined. As a local provider, we want to drive and accelerate the local shift.

Our USP are multiple:

- We know the local regulation and application
- We have experience within various constructor ecosystems and with different software solutions
- Because we are geographical close to our customers, we are able to offer service level agreements for maintenance and operations



### Leasing & Financing

Leasing of autonomous vehicles from different manufacturers



### Feasibility and Setup

Site inspection and mapping, deployment of vehicles



### Knowledge center

Workshops, trainings, certification and demo's at events



### Maintenance and Repairs

Full maintenance of vehicles and software management



### Operations, Cleaning and Customer Care

Operations of vehicle (safety driver, supervision)



### Unbiased Technology Advice and Support

Technology advice and implementation

# We are the local, knowledgeable go-to partner for ACES mobility project

We provide all services you need to realise an ACES project.

# We are vendor agnostic and cover all types of autonomous mobility



## Technology Agnostic

We can help you choose and implement the best fitted technology for your mobility service or develop a customised solution for you.



## OEM Agnostic

We aspire to be a knowledgeable, trustworthy local partner for different manufacturer partners.



## Mobility of People & goods

We provide both, solutions for mobility of people and for mobility of goods.

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Ush is one of the start-ups created by Lab Box.  
Lab Box is a startup studio aiming to develop  
successful ventures in the new mobility space. We  
are backed by D'leteren Auto, a company active in  
the automobile distribution and retail.

Go to [www.lab-box.com](http://www.lab-box.com) for more information.

SECTION 02

# Bottlenecks

# Domains



Legislation.

**01**



Vehicle & technology

**02**



Infrastructure & acceptance

**03**





# Legislation



## Authorizations

Systematic process to receive an authorization to test autonomous vehicles on public roads



## Safety drivers

Impossible to have a viable business case if the safety driver is required onboard



## Vehicle & technology



### Liability

Increasing mechanical liability will also increase safety



### Capacity

Today's vehicles are not suitable for high-volume transit



### Speed

For longer trajectories, low speed makes an autonomous vehicle inadequate



### Price

Price should decrease in the future, namely due to hardware



## Infra & acceptance



### V2X communication

Increasing safety in mixed traffic, removing the need for human validation in complex situations



### Acceptance

Difficult to measure today, due to mandatory presence of a safety driver



Reach out and  
let's make ACES  
mobility reality.



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