

CREATING LIVEABLE CITIES BY DEMOCRATISING STREETS

A dialogic approach towards data sharing in autonomous parking ecosystems.

IN-CAR DELIVERY

Function: Delivery of packages & goods in the car
Partners: Merchant, delivery & parking lot operators
Data: Schedule, location, key access

AV CHARGING

Function: Automatic vehicle switching
Partners: Grid & charge point operator
Data: Schedule, charge rate & status

SPOT DETECTION

Function: Automated detection of available spots
Partners: Other OEM's, parking lot operator
Data: AD metadata, 2D parking lot layout

INTERMODAL TRANSPORT

Function: Travel with multiple modalities in 1 trip
Partners: Mobility providers, municipality
Data: Network schedules, location

SHARED MOBILITY

Function: P2P or fleet sharing of vehicles
Partners: Fleet owner, P2P platform's
Data: Network distribution, demand

ON-SITE MAINTENANCE

Function: Maintenance without going to a service center
Partners: Service providers (e.g. car wash, glass repair etc.)
Data: User location, digital key, service features

VALET PARKING

Function: Autonomous parking without the driver
Partners: OEM's, parking lot operator
Data: User location, AV points, 2D layout

TRANSITION TO OFF-STREET PARKING



A maquette creates common ground and serves as a dialogue tool to connect people in topics like data sharing and autonomous drive in parking ecosystems.

Ford democratized mobility in the early 1900s by providing the freedom to move for a broad audience. We are on the verge of a mobility revolution that could once again change the way we spend our time, allocate urban areas and shape communities.

Cities evolved around the car and people started to realize this might not be the cities they want to live in. An European wide trend could be recognized of cities that are aiming to decrease the number of cars in cities to reclaim streets for people.

The proposal aims to enable Ford to 'democratise streets' by transitioning to off-street parking to improve liveability. The project explored opportunities in the servitization of Ford's future business around autonomous drive, connectivity and electrification.



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