Ruter Shared AVs Dialogue Conference

Mobileye
L4 MaaS

Mobility-As-A-Service Group

June 2022

Mobileye Mobility-As-A-Service: Building technology and partnerships to bring Autonomous Mobility-as-a-Service Fleets to the streets.
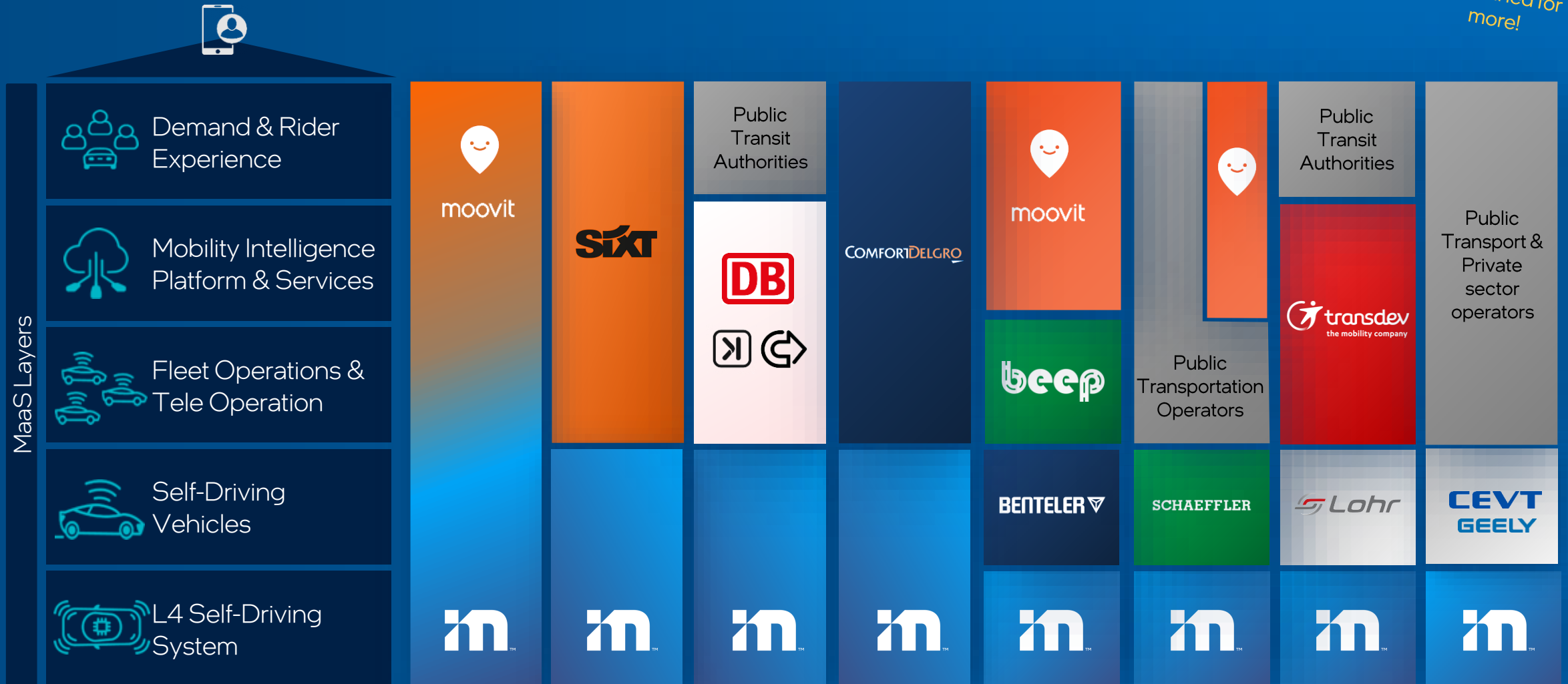
Status Quo 2022
Mobileye Robotaxi Driverless Roll-out
Expected to Start End of 2022
Pending Regulatory Approvals

Autonomous MaaS Collaborations Highlights Along Value Chain

Stay tuned for more!

MaaS Layers

- Demand & Rider Experience
- Mobility Intelligence Platform & Services
- Fleet Operations & Tele Operation
- Self-Driving Vehicles
- L4 Self-Driving System

| moovit | SIXT | Public Transit Authorities — DB | COMFORTDELGRO | moovit — beep | Public Transportation Operators | Public Transit Authorities — transdev | Public Transport & Private sector operators |
| | | | | BENTELER | SCHAEFFLER | Lohr | CEVT GEELY |

Safety & Scalability: Largest Global Footprint in the AV Industry

Paris

Stuttgart

Munich

Shanghai

Tokyo

Detroit

Miami

New York

Israel

Mobileye Drive™ supports all autonomous usecases

Usecases \ Vehicle types	Small Pods (0-3 passengers)	Pods/Robotaxis (~4-6 passengers, Medium-sized)	AV Shuttles (8-18 passengers)	AV Busses (19+ passengers)	AV Transporter (Special Purpose Pods; non-passenger focused interior)	AV Trucks
Ridehailing / Private Robotaxi	✔	✔				
Ridepooling / Demand-Responsive Transport (on-demand)		✔	✔			
Autonomous public transport (as part of (sub)urban transit, Metro/Bus-Mode)		✔	✔	✔		
Additional public transport (suburban/rural; to transit hubs, inter-village, etc.)		✔	✔			
Last mile delivery, Autonomous parcel lockers	✔				✔	
Medium-Mile & Long-haul logistics					✔	✔
Closed confined area use cases (employee transport, trade fairs, airport/harbors, etc.)		✔	✔	✔	✔	

Focus today

mobileye® An Intel Company

Mobileye Drive™ vehicle portfolio (value proposition 2024+)

Vehicle types:

Pods/Robotaxis
(~4-6 passengers, medium-sized)

AV Shuttles
(8-18 passengers)
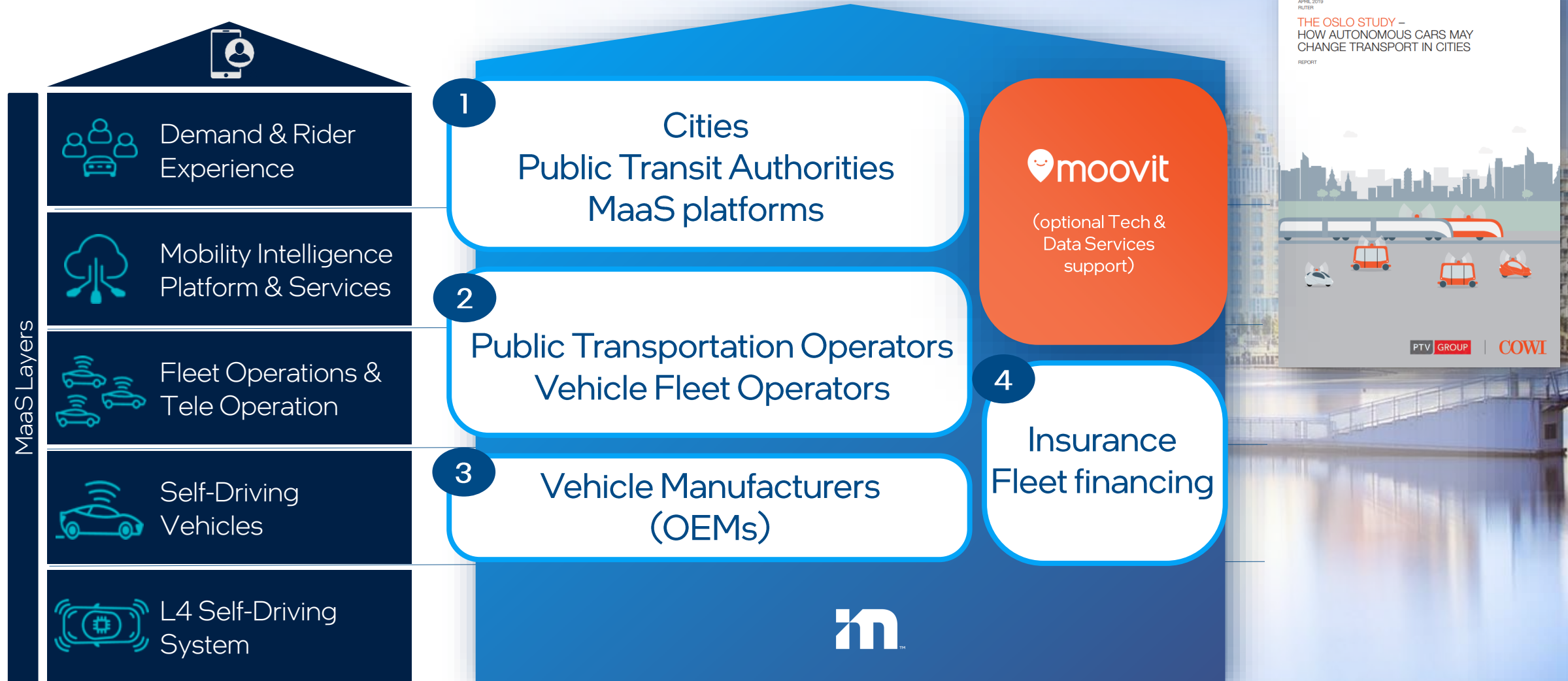
AV Busses
(19+ passengers)

Usecases:

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Autonomous public transport
(as part of (sub)urban transit, Metro/Bus-Mode)

Additional public transport
(suburban/rural; to transit hubs, inter-village, etc.)

Call for action

MaaS Layers

- Demand & Rider Experience
- Mobility Intelligence Platform & Services
- Fleet Operations & Tele Operation
- Self-Driving Vehicles
- L4 Self-Driving System

1 Cities
Public Transit Authorities
MaaS platforms

2 Public Transportation Operators
Vehicle Fleet Operators

3 Vehicle Manufacturers
(OEMs)

moovit
(optional Tech & Data Services support)

4 Insurance
Fleet financing

APRIL 2019
RUTER

THE OSLO STUDY –
HOW AUTONOMOUS CARS MAY
CHANGE TRANSPORT IN CITIES

REPORT

PTV GROUP | COWI

Thank you for your attention!

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The Right Thing To Do: Driverless Inclusive Mobility for All!
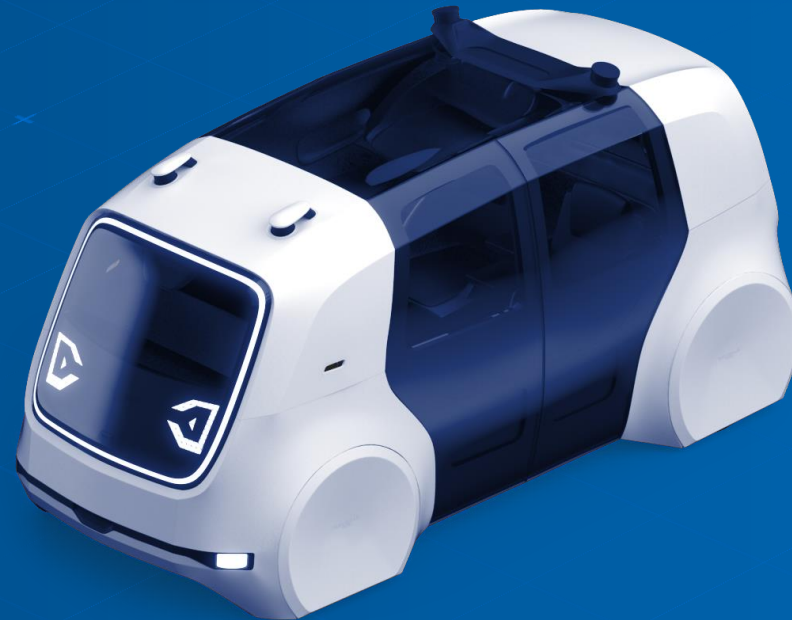
Safe

Accessible

Clean

Affordable
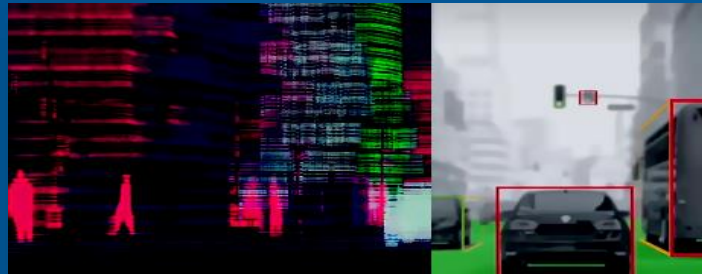
Convenient

Mobileye's USPs – The Trinity Approach

REM™-BASED AV MAPS

- REM™-enabled scalability AV Map Key to high MTBF
- Crowdsource data collection followed by auto AV map creation in the cloud

TRUE REDUNDANCY™

- Two independent subsystems to increase robustness & MTBF

RESPONSIBILITY-SENSITIVE SAFETY (RSS)

- Generalized driving policy
- formal safety model decision-making governance
- Standardizing human judgement (IEEE P2846)

On a Formal Model of Safe and Scalable Self-driving Cars

Shai Shalev-Shwartz, Shaked Shammah, Amnon Shashua
Mobileye, 2017

Autonomous MaaS with Moovit App & MaaS Platform