



LiDAR LEADERSHIP **BOOSTING VALEO ADAS** **ACCELERATION**

SMART TECHNOLOGY FOR SMARTER MOBILITY

LEADERSHIP FROM THE START

SCALA[®] GEN 1

First
Automotive
Grade LiDAR



2017

2021

2022

Valeo

LEADERSHIP FROM THE START

SCALA® GEN 1

First
Level 3
Traffic Jam
Pilot



Japan

2017

2021

2022

Valeo

LEADERSHIP FROM THE START

SCALA[®] GEN 2

First
Mass
Production
Level 3



Germany,
US, China

2017

2021

2022

Valeo

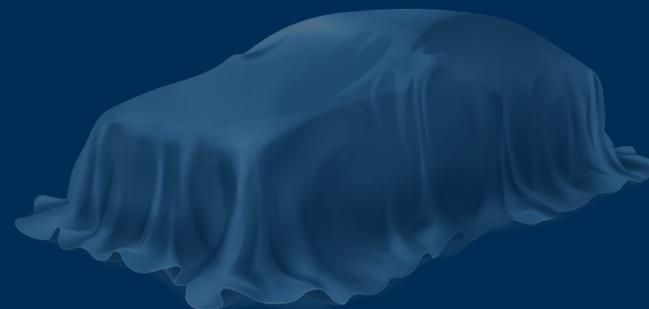
THE MARKET HAS NOT CONVERGED IN SENSOR NUMBER...



5x



1x



2x

... NOR IN SENSOR POSITION

SMART **BUMPER**



STELLANTIS

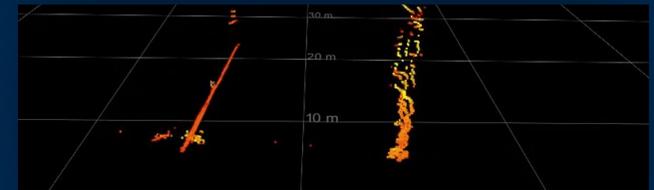
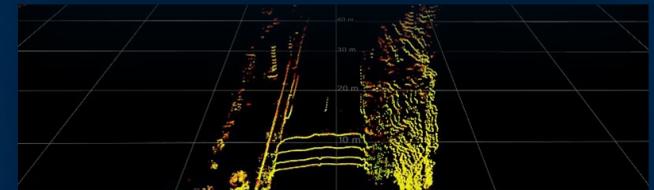
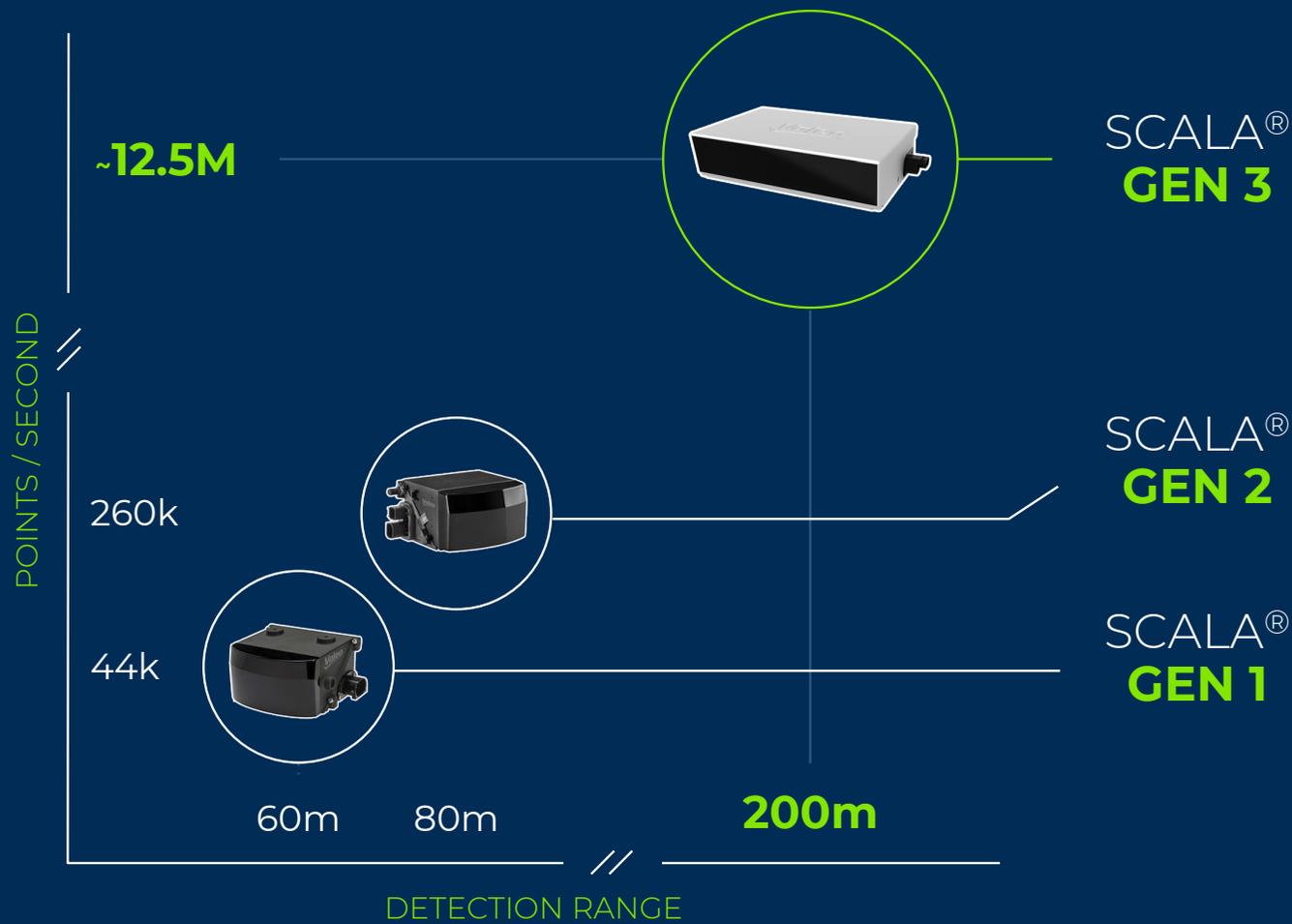
SCALA[®]
GEN 3

SATELLITE **SLIM**



Valeo

ACCELERATING IN PERFORMANCE



VALEO HAS
A UNIQUE POSITIONING



A DARWINIAN WORLD



PIVOTING OUT



MERGING



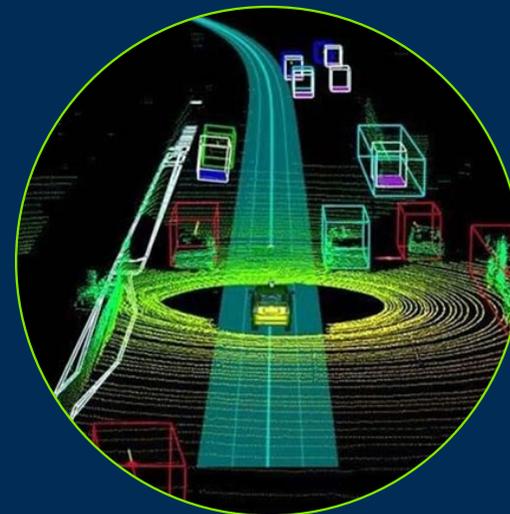
AN INCREDIBLE DATASOURCE MAKING EVERY CAR A SCANNER ON WHEELS



**High Definition
Maps Update**



**Data Sharing
Partnership**



**A Ground Truth
Onboard**

LIDAR IS ALSO AN ENABLER OF AUTOMATED VALET PARKING MAKING THE INFRASTRUCTURE SMARTER

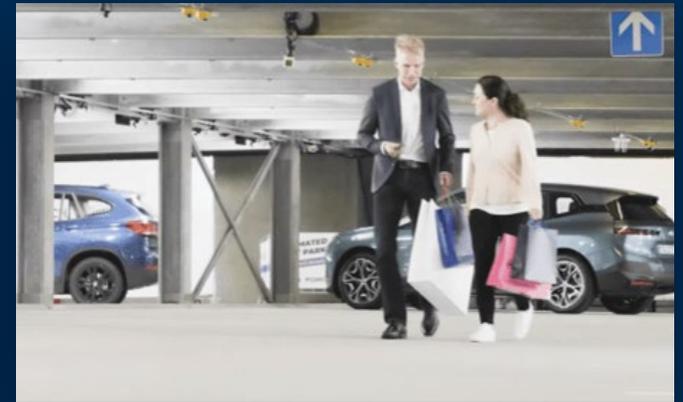
DROP OFF



SELF CHARGING



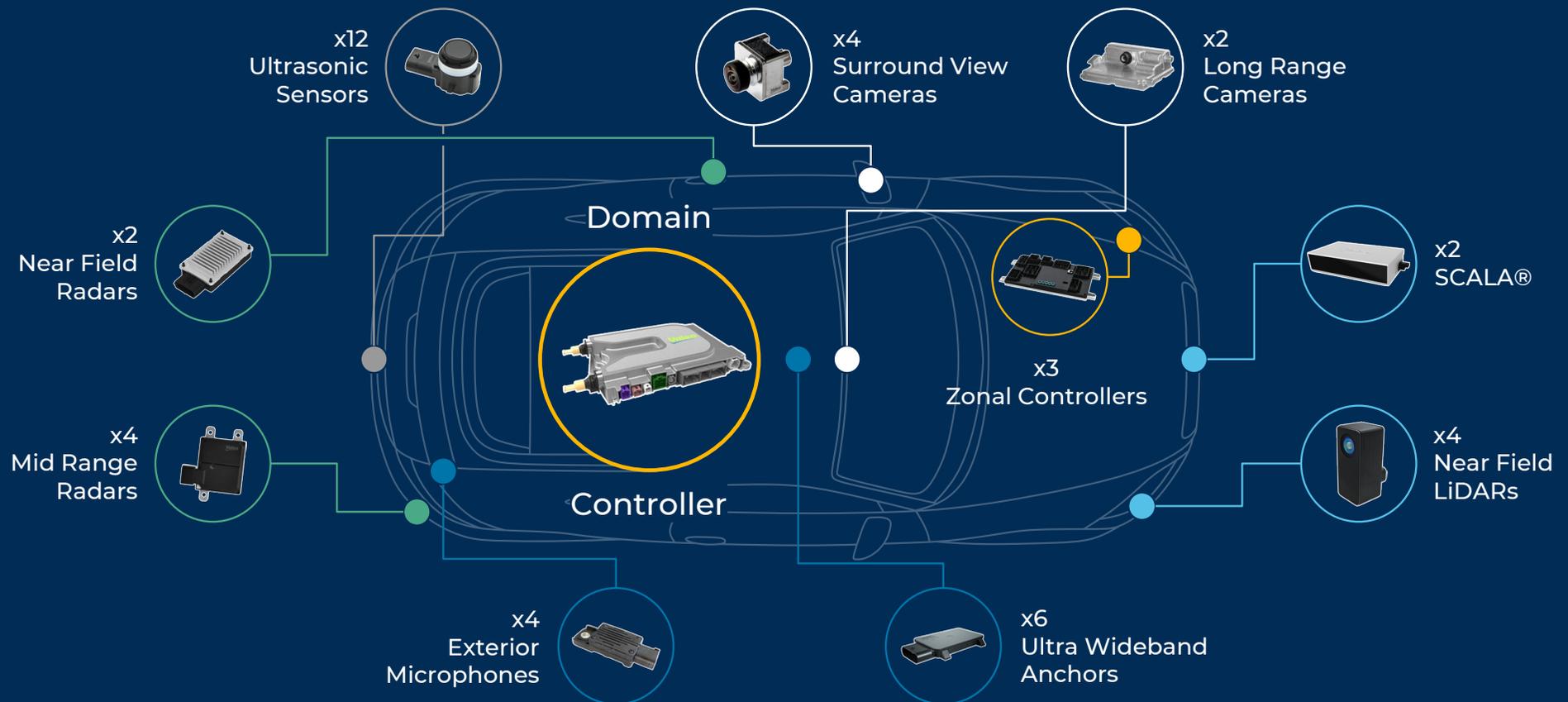
PICK UP



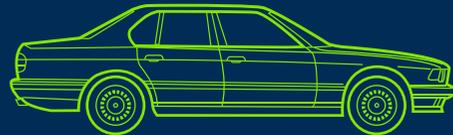
Joint **Automated Valet Parking** Project



LIDAR: THE CORNERSTONE OF A HIGHLY REDUNDANT SYSTEM



ULTRASONICS



BMW 7 Series (1991)

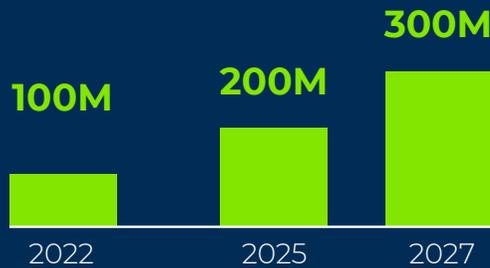
WORLD 1ST ULTRASONIC SENSOR ON BMW 7 SERIES

DOMAIN CONTROLLER



FROM SMART TO SATELLITE COMPONENTS

SATELLITE CAMERAS



25%
22-27
CAGR



FRONT SMART CAMERA

2003



1ST LANE
DEPARTURE
WARNING

2022

10

MILLIONTH
VALEO WEMDING

2025

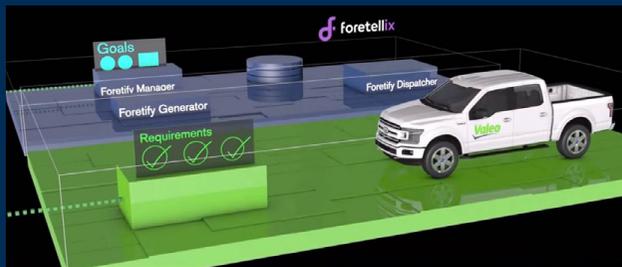
20%

MARKET SHARE



BENCHMARK IN SYSTEM VALIDATION

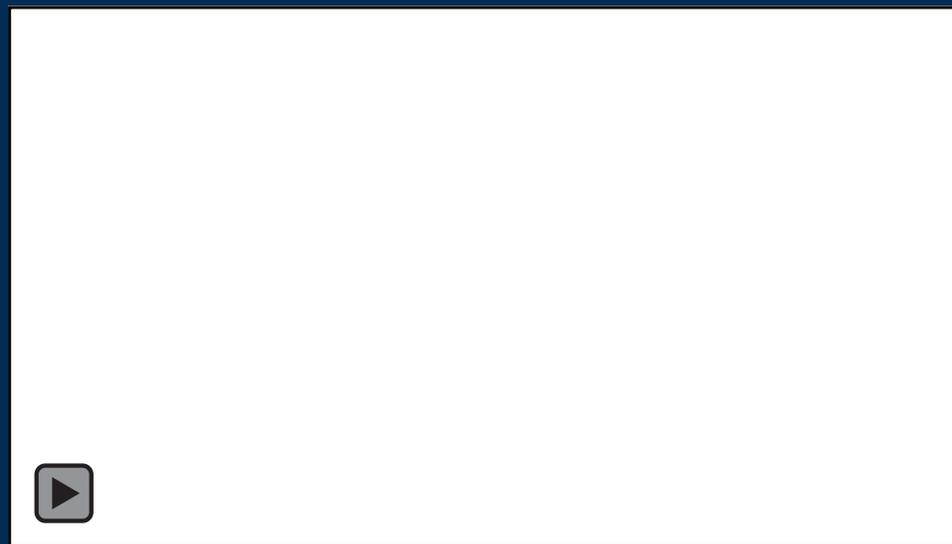
VIRTUAL VALIDATION



large scale simulation capability with
8 HIL & SIL FARMS
on sites and in the cloud
running **250+ test benches**

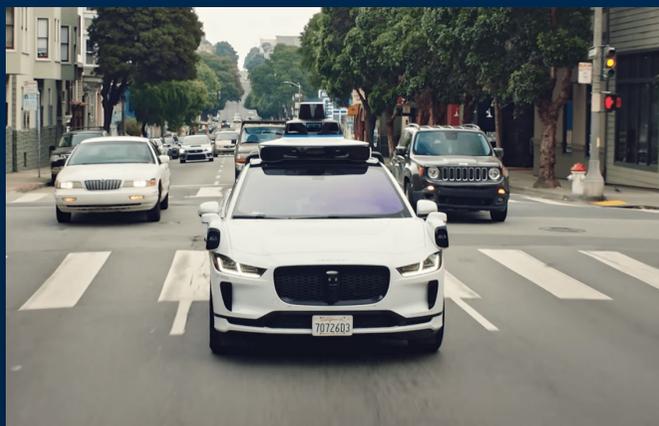
40
Peta-
bytes

PHYSICAL VALIDATION



worldwide network of
9 TEST TRACKS
with on-site facilities
running **250+ vehicles**

DRIVERLESS ROBOTAXIS BECOMING SLOWLY A REALITY



Phoenix, San Francisco
New York, Los Angeles, Austin



Munich, Stuttgart, Paris,
Jerusalem, Tel Aviv, Miami, Detroit,
New York, Tokyo, Shanghai



Shanghai, Shenzhen, Guangzhou,
Changsha, Changzhou



Flat Antenna Telematic unit

Zonal Controllers

Surround View Cameras

Domain Controller

Near-field LiDARs

Front Cameras

AD Cameras

Corner Radars

Thermal Cameras

Long-range LiDARs

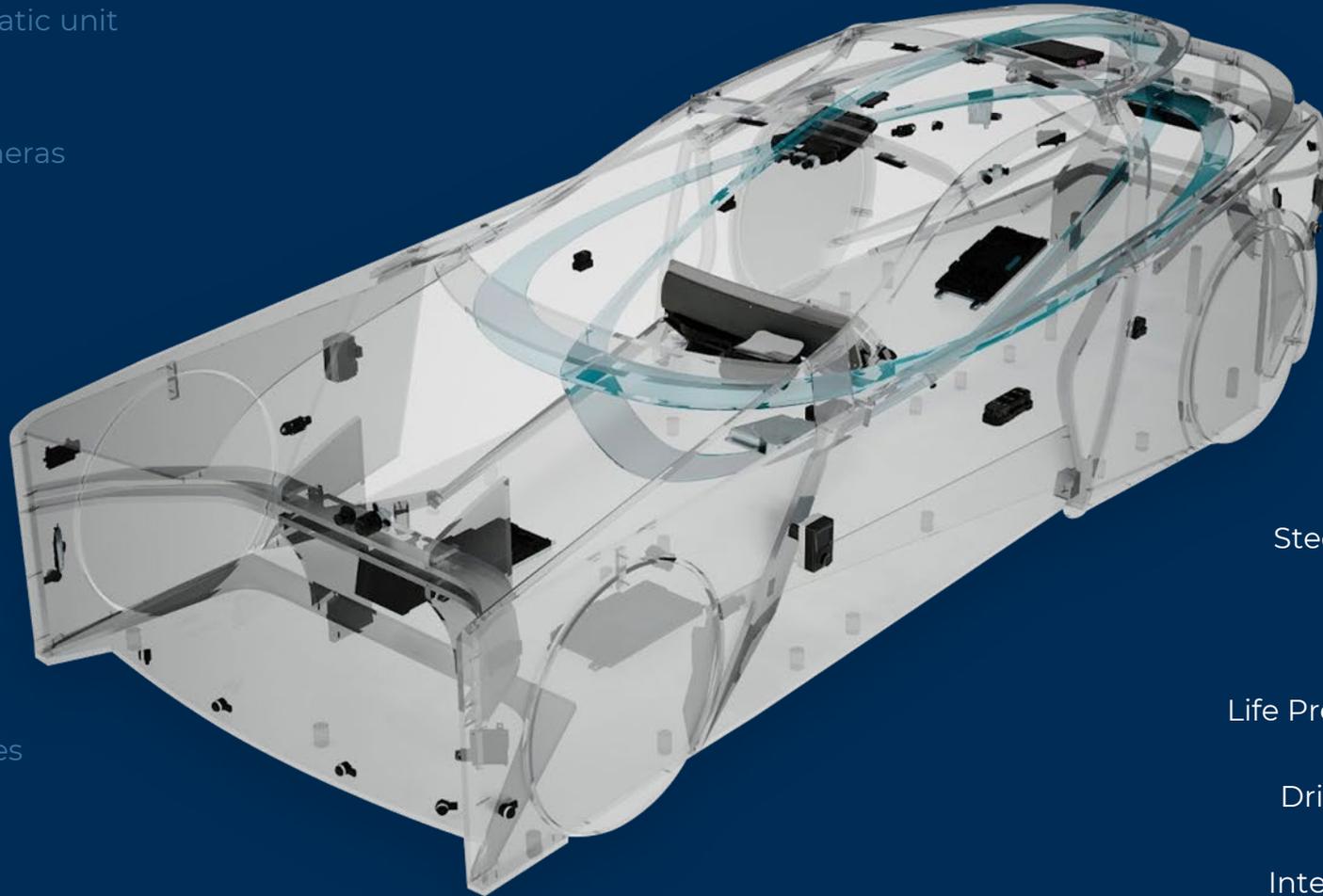
Ultrasonic Sensors

Exterior Microphones

UWB Anchors

Rain Light Sensor

EXTERIOR



Wide display

Dome Module

AR Head-Up Display

Interior Microphones

Smart Surfaces

Switches

Steering Wheel Electronics

Hands-On Detection

Life Presence Detection Radar

Driver Monitoring Systems

Interior Monitoring Camera

INTERIOR

COCOONS

Valeo

WORLDWIDE R&D FOOTPRINT

Bietigheim
Germany



Prague
Czech Rep.



Tuam
Ireland



Veszprem
Hungary



VMTC, Créteil
France



Troy
USA



Shenzhen
China



Tokyo
Japan



Chennai
India



TOWARDS SAFER AND MULTIMODAL MOBILITY

REGULATIONS



SAFETY RATINGS





SMART TECHNOLOGY
FOR SMARTER MOBILITY