

Mobility is the Heartbeat of Life Autonomous Mobility

www.continental-automotive.com

Continental Automotive Strategic Action Fields

We Make Autonomous Mobility Happen



Continental's Portfolio for Automated Driving Level 2 Plus Solutions are the Enabler for HAD

Continental technology		in series	in series	from 2021	from 2021/22
		Partly Automated Driving (SAE L2)	"L2 P L2 "Performance"	lus" L2 "Premium"	Highly Automated Driving (HAD) (SAE L3)
			6	HAD Ready	
Plan	Software	Highway Assist NCAP ¹ 5 stars	Traffic Jam Companion / A A A A A A A A A A A A A A A A A A	Highway Companion (hands-off ≤ 130 kph) L2 in extended "Operational Design Domain"	Cruising Chauffeur Traffic Jam Chauffeur
	AD High Performance Computer	optional	1	1	2
	Radars	1 – 5	5 – 7	5 – 7	7
	Cameras	1 – 2	6	6	9
Sense	Lidars			optional	≥2
		Relying on our strong sensor heritage, we support our customers with the best fitting solutions for fulfill their needs			
¹ New Car Assessment Programme					

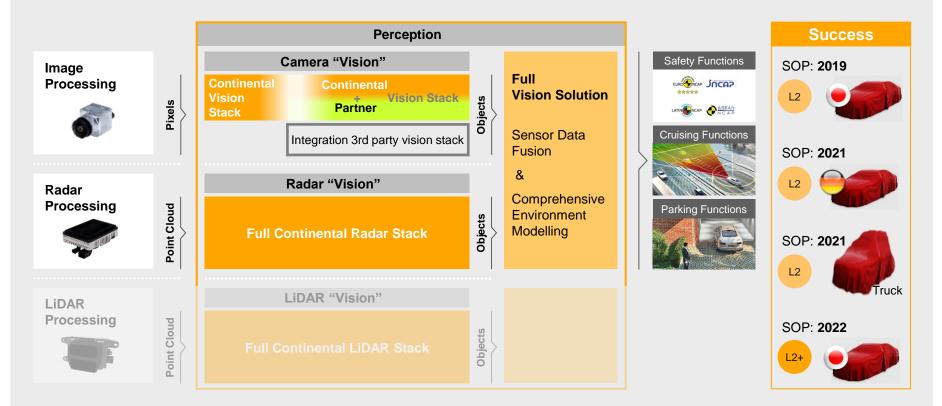
Continental Autonomous Mobility Approach Outstanding sensor & fusion portfolio for L2, AD and HAD



* MEMS: Micro electro-mechanical system

From Vision to Perception

Sensor Know-how Enables Vision Solutions & Functions



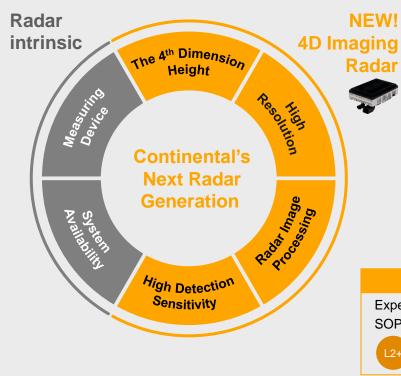
Radar – Fundamental for ADAS and AD 4D Imaging Radar Securing Technology Leadership

Precise distance and speed in real-time



Adverse weather conditions







Underridable elevated objects Non overridable ground obstacles



Debris/potholes





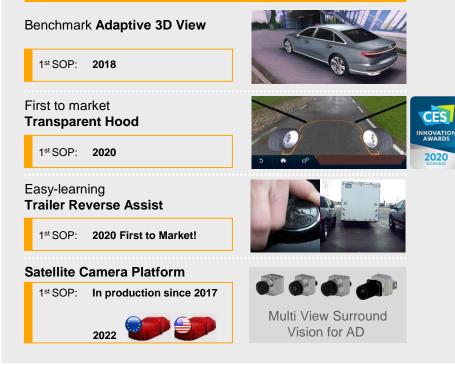
Complex/dense traffic Landmarks



Success Expected first to market SOP: 2021 SOP: 2024

Camera – Comprehensive Surround Vision Strategy Leveraging 360° Vision for Automated Driving

Leading Surround View Systems



360° Vision for Systems ≥ L2 Plus

Synergetic utilization of near range Camera Vision for Cruising



Target SOP: 2024

LiDAR – Required for Safe Automated Driving Full Range Portfolio

Short Range LiDAR



Solid State Flash LiDAR

Highlights

- > No gaps in image/data! No motion distortion!
- > High accuracy object and free space detection

Target application:

Urban areas, traffic jam, robocabs





Strategic investment in LiDAR pioneer

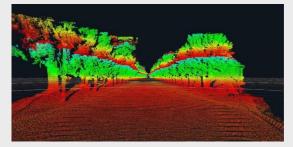
AEYE

MEMS¹ Mirror Scanning LiDAR



- Patented novel advanced MEMS¹ technology
- > Dynamic spatial resolution enabling concurrent far range, high resolution and high sensitivity at minimized power consumption

Target application: Highway



¹ MEMS: Micro electro-mechanical system

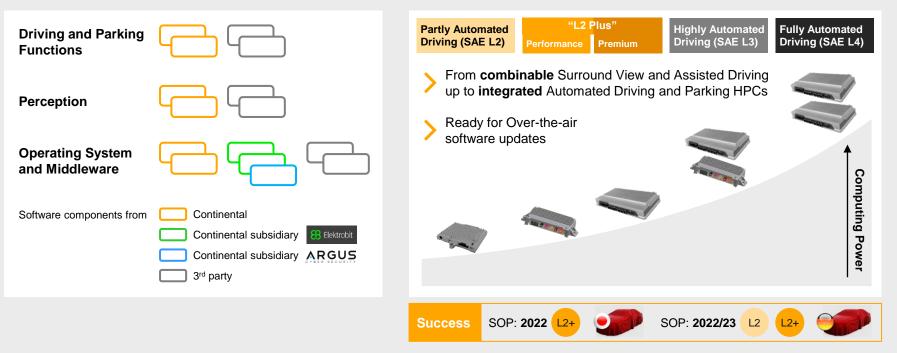
Target SOP: 2024

Software Stack and Hardware Platform Solutions

Modular & Scalable to Manage High Complexity

Full Stack Capability

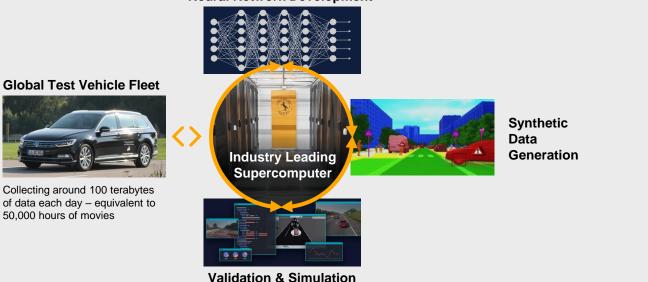
High Performance Computer (AD HPC)



We Are Ready for the Challenges of the Future AI and Simulation for the Next Era of AD Technologies

The Vital Importance of Data Quality & Efficient Data Management

AI Competence Center



Neural Network Development

ATTAC AND A DESCRIPTION

Core development of AI technologies

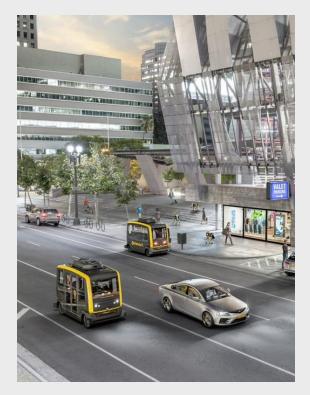
Roll-out to product development teams

Validation & Simulation

Relying on our strong sensor heritage, we support our customers with the best fitting solutions for fulfill their needs

© Continental AG

On the Way to Autonomous Mobility Summary



Our **sensor heritage** is the foundation for the realization of Autonomous Mobility

We offer **excellent software expertise** together with in-house suppliers like Elektrobit and Argus

We offer **Full Stack capabilities** – that our customers a perfectly prepared for the future

Selective **partnerships** complement our **in-house strength**

More Information Get in touch with us!



More information can be found at <u>www.continental-automotive.com</u> <u>www.continental.com/en-us</u>



Or get in touch with us via our Contact Form

Ontinental S The Future in Motion