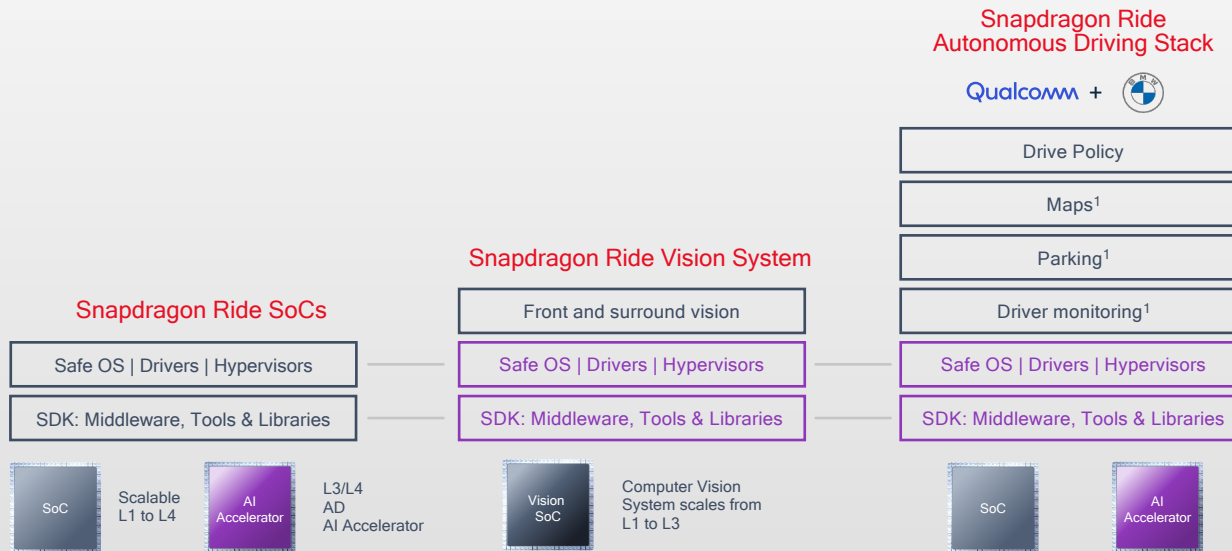
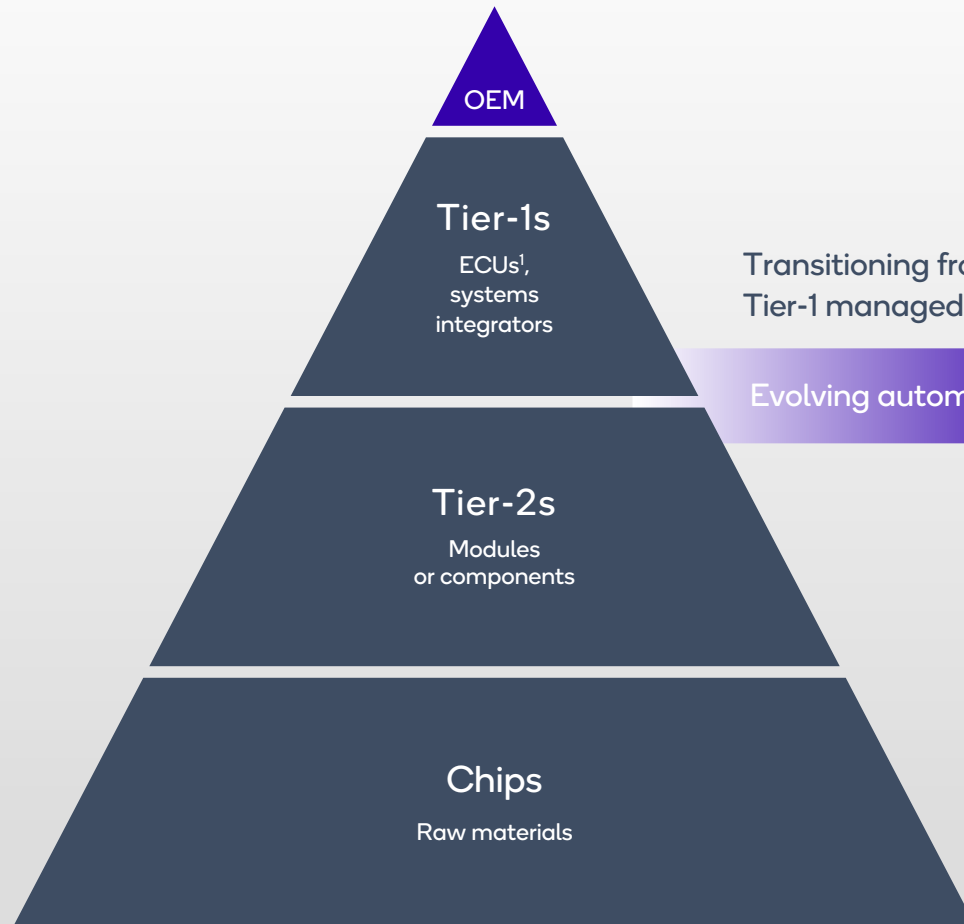


# Our modular portfolio is designed to support every customer engagement model



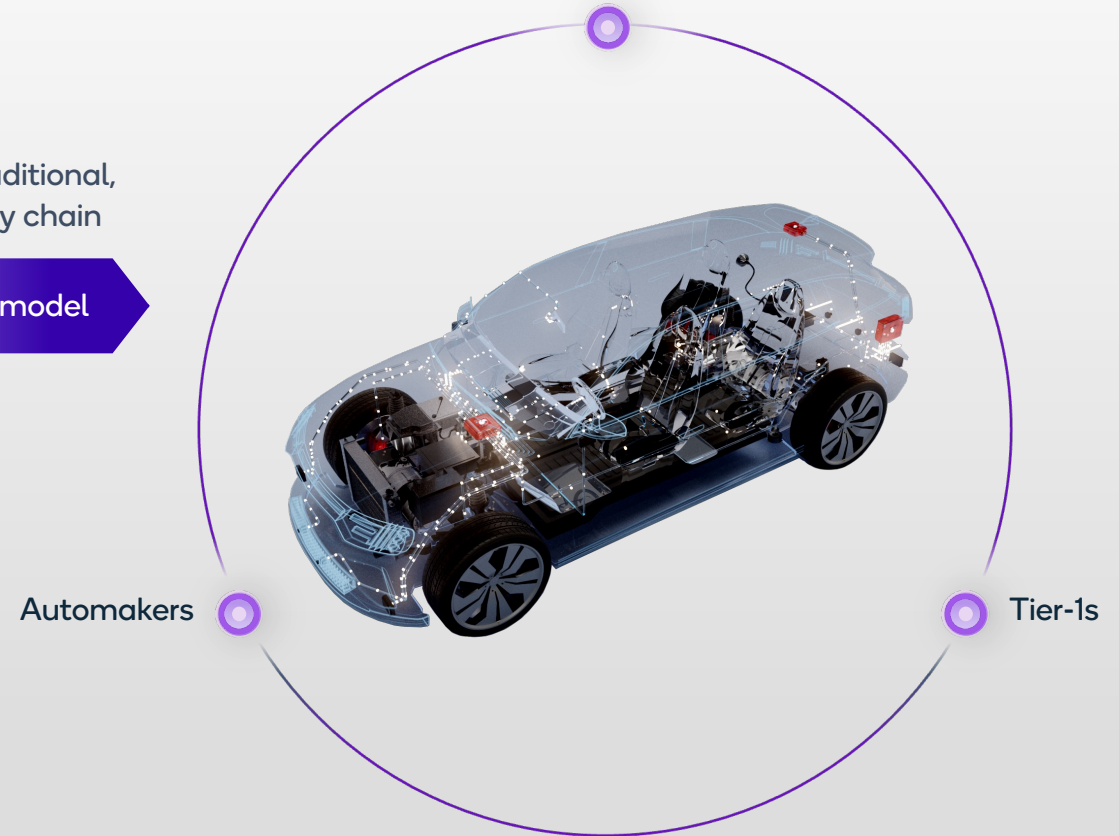
# A new model of direct engagement with automakers



Transitioning from traditional,  
Tier-1 managed supply chain

Evolving automotive model

## Qualcomm



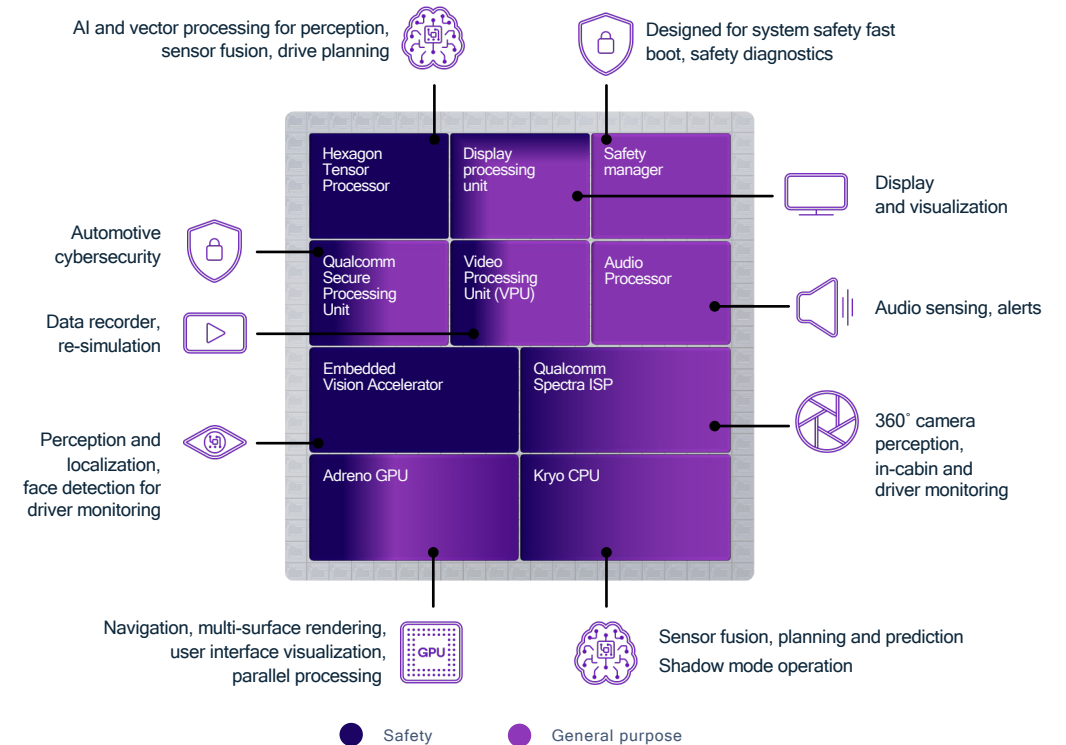
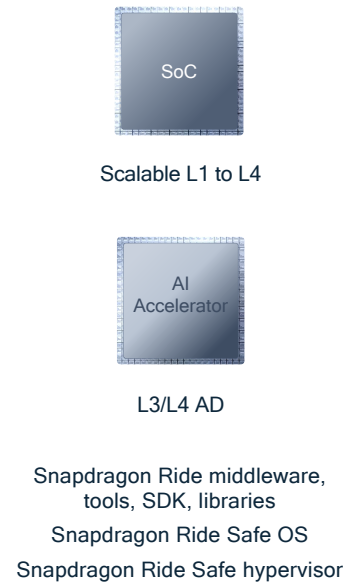
# Snapdragon Ride System-on-Chip



Leading edge high-performance, low-power, highly-scalable SoCs

Offering software compatibility across generations

Cutting-edge AI with Hexagon Tensor Processor and Qualcomm® AI Stack



# Ride Platforms

Modular

Partially Modular

Not Modular

Ride MX

Ride SX



Ride MX

Ride SX

A2B Master

WiFi / BT

Camera SerDes

AM/FM analog radio

Compute SoC-1

Ethernet PHY/Switches

MCU / VIP  
(Safety Processor)

Display SerDes

PCIe Switches /  
Peripherals

Compute SoC-2

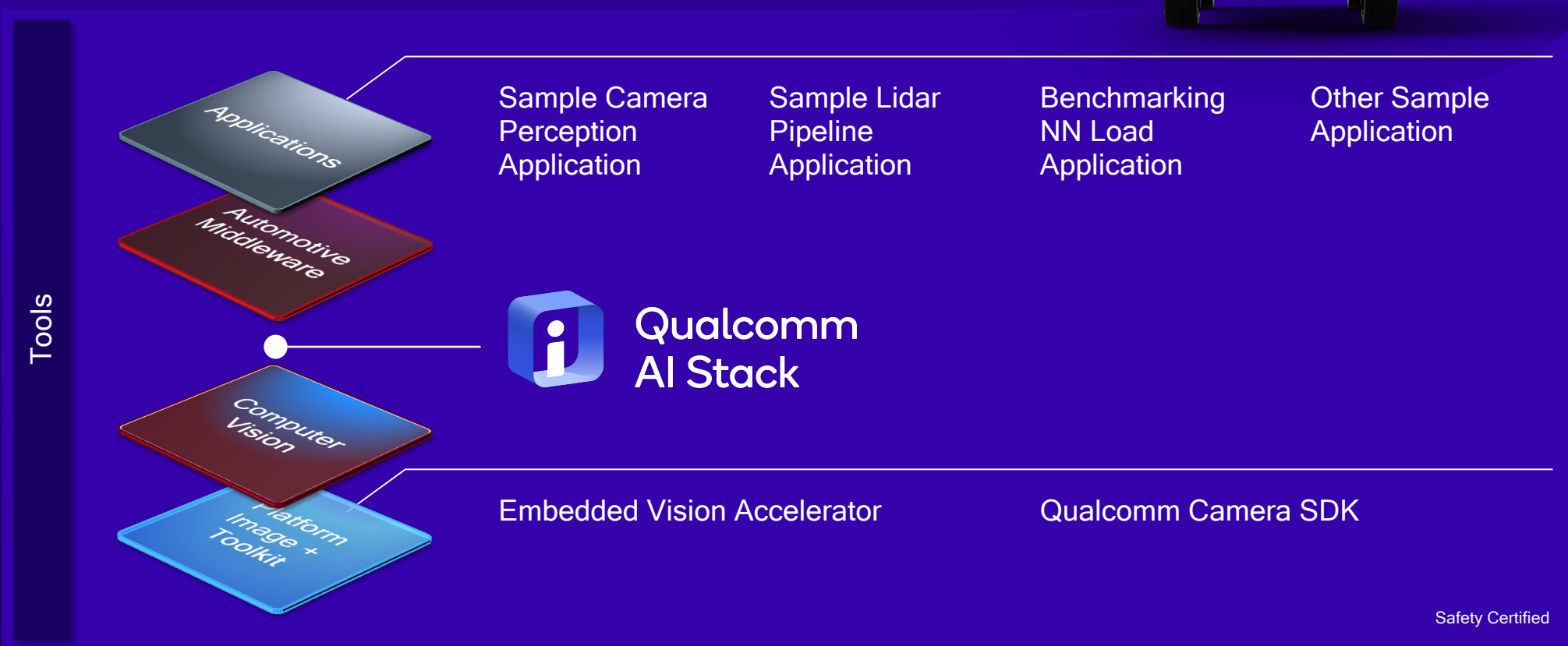
Accelerator-1

Accelerator-2

# Snapdragon Ride™ SDK



Documentation



- FAQ
- Sample Application Document
- Platform SDK API Socs
- Sensor Libs API Docs
- User Guide

Safety Certified

# Snapdragon Ride Vision System



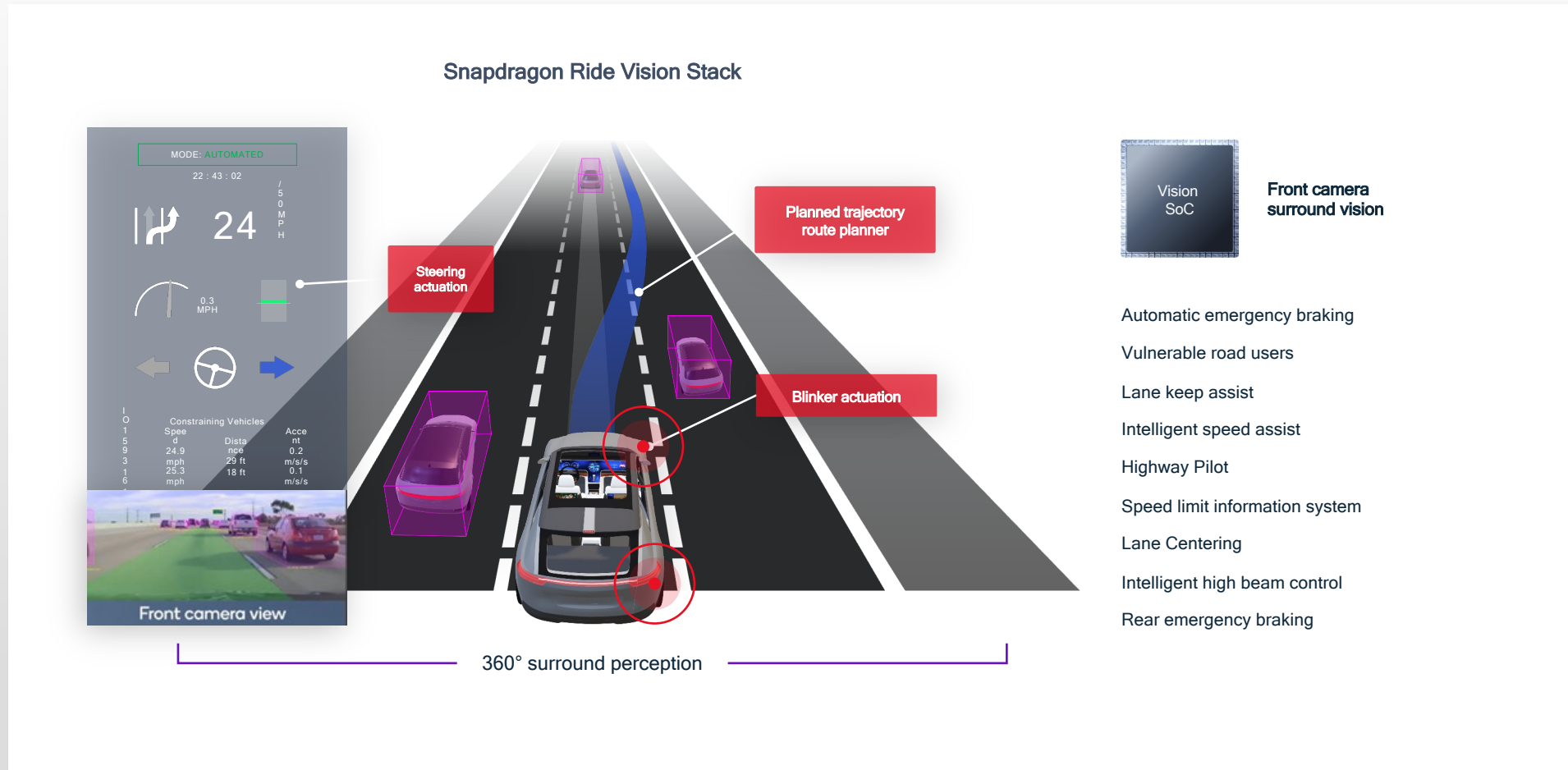
Co-designed Computer Vision (CV) software and Vision SoC

Supports L1 to L3 ADAS/AD

5<sup>th</sup> generation CV Stack

CV Stack compatible with AD Map creation

Hosts OEM Drive Policy, 3<sup>rd</sup> party driver monitoring, parking



- Automatic emergency braking
- Vulnerable road users
- Lane keep assist
- Intelligent speed assist
- Highway Pilot
- Speed limit information system
- Lane Centering
- Intelligent high beam control
- Rear emergency braking

# Snapdragon Ride Autonomous Driving Stack

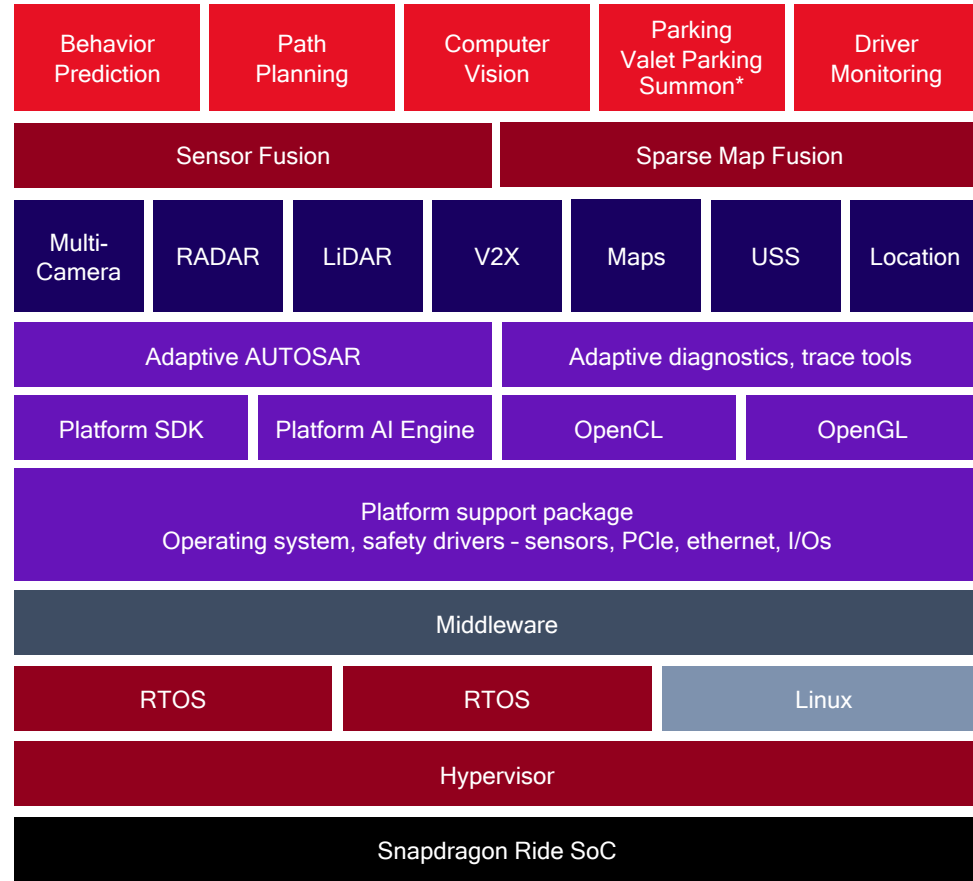
Customer AD functions

	L3 Highway pilot	
	L3 Commute pilot	
Hands-off highway	_____ ✓	_____ ✓
Country drive assist	_____ ✓	_____ ✓
Urban and downtown drive assist	_____ ✓	_____ ✓
Highway drive assist	_____ ✓	_____ ✓
Active safety shell	_____ ✓	_____ ✓
Traffic sign/ light assist	_____ ✓	_____ ✓
Dynamic cruise control	_____ ✓	_____ ✓
Rear collision warning	_____ ✓	_____ ✓
Emergency steering / stop	_____ ✓	_____ ✓
Blind spot monitoring	_____ ✓	_____ ✓
Lane keep assist	_____ ✓	_____ ✓

Level 0-2

Level 2+

Level 3



## Data Management and Toolchain

