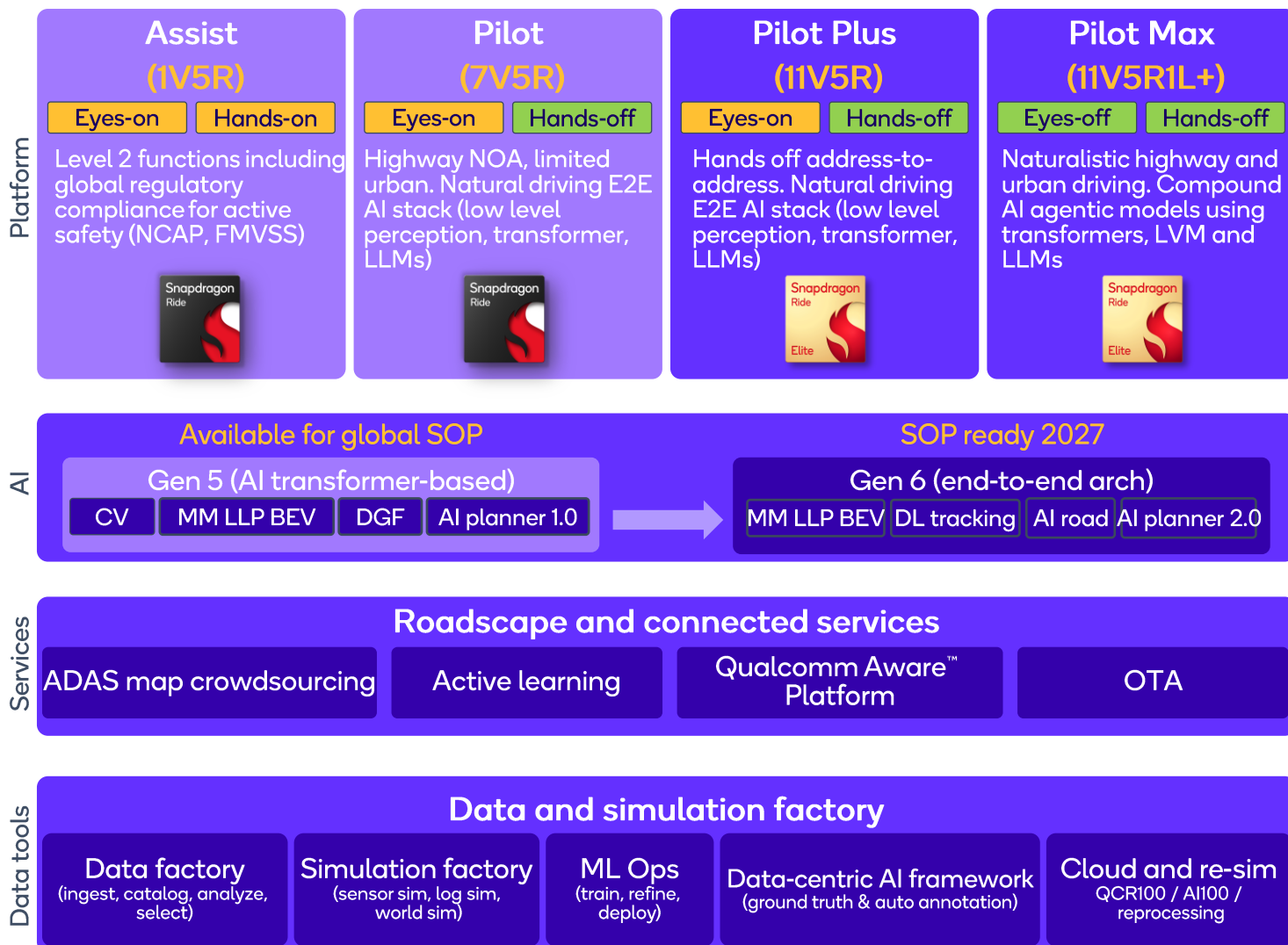


SNAPDRAGON RIDE™ VISION SYSTEM

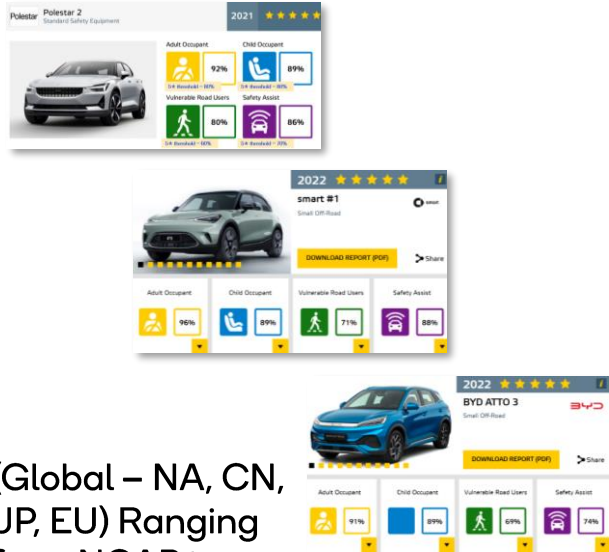
Flexible engagement models and an end-to-end perception system pre-integrated on our ADAS SoCs with room for customization.



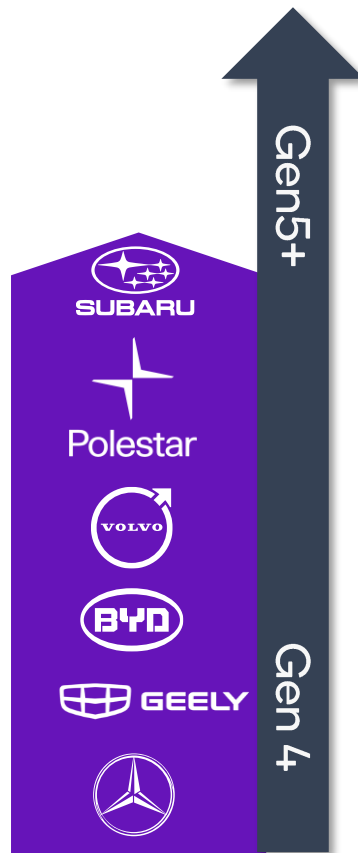
The perception product scales from single to 11 long and short-range cameras for full 360-degree coverage, including interior sensing. Our software architecture enables third-party apps to co-exist with our industry-proven perception, allowing for the ongoing development of new services.



A HISTORY OF PROVEN PRODUCTS & PERCEPTION APIs THAT SCALE WITH ADAS FEATURES



(Global – NA, CN, JP, EU) Ranging from NCAP to Level 3



15+ Successful launches
12M+ Cars on the road

Road



- Lane marking detection
- Road boundary
- Free space detection
- Holistic construction site detection
- Crosswalk detection
- On-road symbols (see also TSR)
- Holistic path planning

Objects



- Vehicle longitudinal
- Vehicle crossing
- Vehicle 3D
- Two-Wheeler detection
- Pedestrian detection
- Bicycle detection
- General object detection
- Animal detection
- Debris detection (small objects)
- Pothole detection
- Long range object recognition
- Police/fire/rescue veh detection
- Brake- & turn indicators, veh hazard lights
- VRU prediction (Head pose, gestures)



Lights

- Intelligent Light Ranging
- Police/Rescue flash,
- Emergency vehicle lights
- Running daylight
- Glare free matrix beam



Traffic Restrictions

- Speed signs, complementary signs
- Indirect speed regulations (city limit...)
- Painted speed information (on lane)
- Policemen regulation traffic
- Traffic light recognition



Other Functions

- Road condition preview (ice, water etc.)
- Weather condition/quality of sight
- Road surface preview



Mapping

- Signs & lanes
- Visual landmarks