

• **APTIV** •

CES 2025: Ford Mach-E Demo

OPTIMIZED HANDS-FREE SYSTEM
BUILT FROM PRODUCTION L2+ STACK

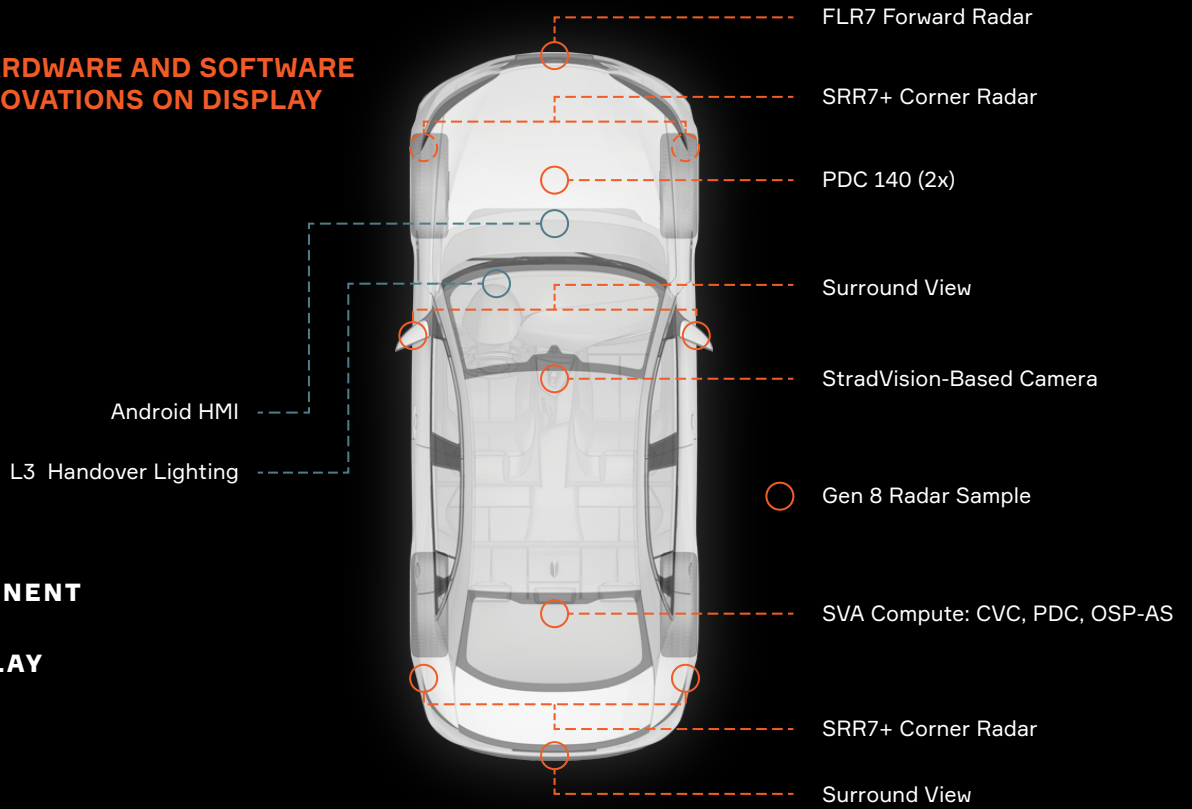


TECHNOLOGY TO BE DEMONSTRATED

ADAS FEATURES: L2+	Hands-Free (All Roads) Lane Biasing Enhanced ALC P2P / Simple Urban ML-Based Planning	✓ ✓ ✓ ✓ ✓
ADAS FEATURES: L0 - L2	ACC pACC Swarm Speed	✓ ✓ ✓
PARKING	Automated Park Assist	✓
MAPPING		All Roads (crowd-sourced map)
FUSED PERCEPTION COMPUTER VISION RADAR PERCEPTION		• APTIV • Sensor Fusion STRADVISION Vision • APTIV • Radar AI/ML Perception
MIDDLEWARE/OS		WNDRVR
HIGH PERFORMANCE COMPUTE		TI TDA4
SENSORS		4x Corner Radars 1x Front Radar 1x Satellite Camera 12x Ultrasonic Sensors

Inside the Demo

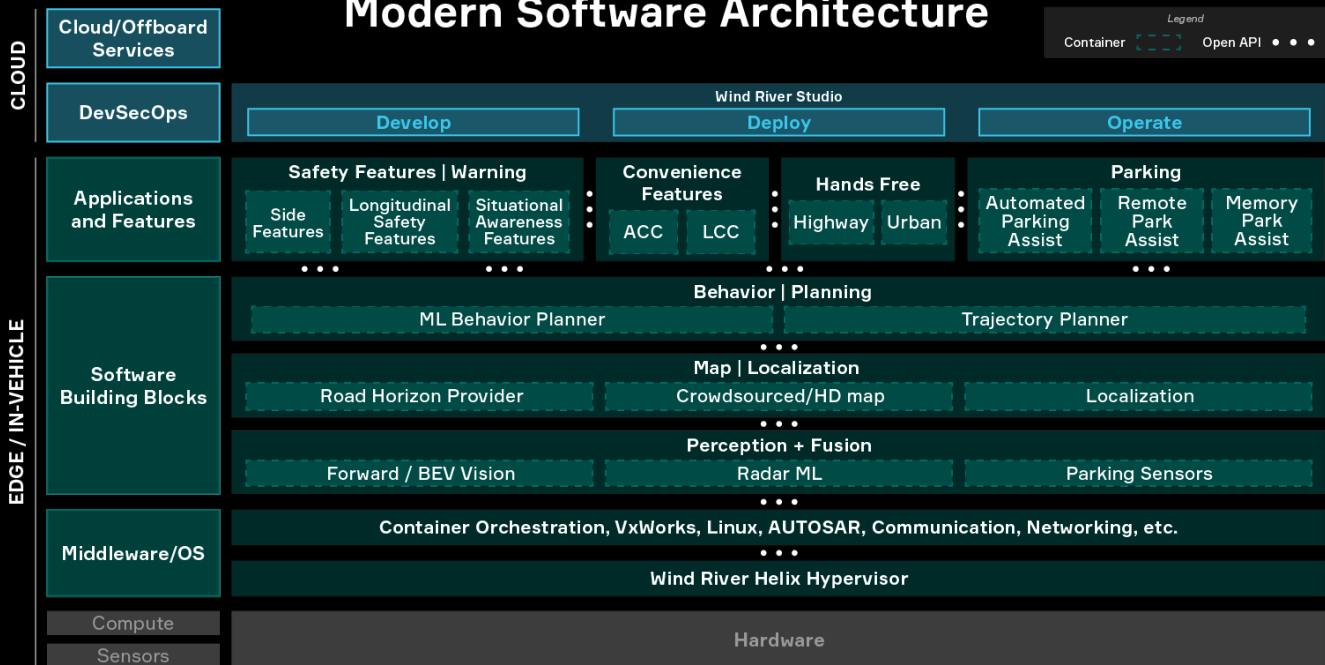
THE ADVANCED HARDWARE AND SOFTWARE ENABLING THE INNOVATIONS ON DISPLAY



○ **APTIV COMPONENT**

○ **SHOW / DISPLAY COMPONENT**

Modern Software Architecture



Note: Simplified and Non-Exhaustive

CONVENIENCE FEATURES

- ACC, ACC-Predictive
- LCC, LCC with Trailer

HANDS FREE FEATURES

- Hands-On Assist (+ with Trailer)
- Hands-Off (Highway, Urban)

SIDE FEATURES

- Blind Spot Detection
- Side Collision Warning
- Clear Exit Detection
- Cross Traffic Alert Brake
- Lane Change Detection Aid
- Moving Off Information System
- Rear End Collision Warning
- Turn Assist
- Longitudinal Traffic Brake

LONGITUDINAL SAFETY FEATURES

- AEB: Car to Car
- AEB: Car to VRU
- Intersection Collision Alert
- Evasive Steer Assist

SITUATIONAL AWARENESS FEATURES

- Drowsy Driver Detection
- Traffic Sign Indication
- High Beam Control