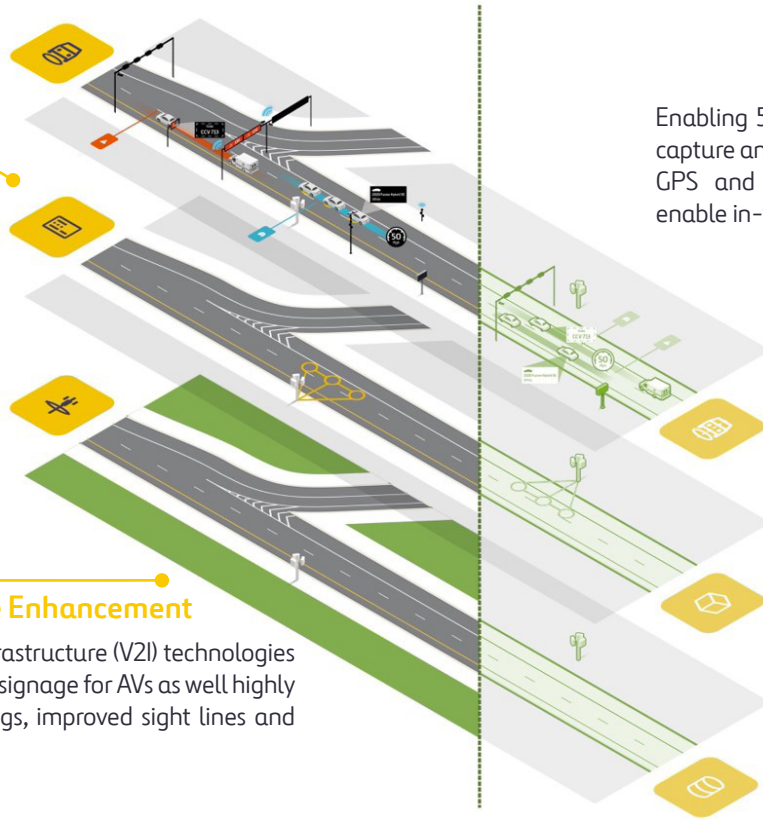# AIVIA
SMART ROADS

ferrovial

Delivering a roadway environment where connected and autonomous vehicles (AVs) can operate seamlessly with our current vehicle fleet.

Supervision & Orchestration

Real-time sensing of driver/vehicle behaviors, incident & near-miss detection & prevention, dynamic capacity management, emergency lane creation. Maximizing the utility of AVs in mixed traffic.
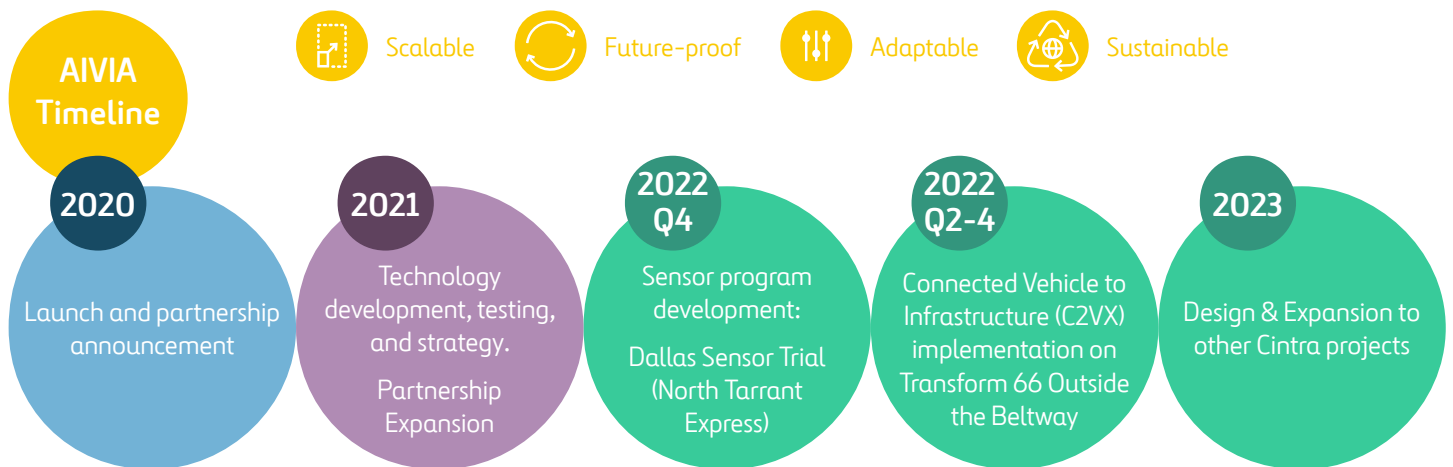
Digital Infrastructure

Enabling 5G and CV2X connectivity; data capture and edge processing, HD mapping, GPS and positioning enhancements to enable in-vehicle services and safety.

Physical Infrastructure Enhancement

Installment of vehicle-to-infrastructure (V2I) technologies like sensors, antennas, smart signage for AVs as well highly reflective pavements markings, improved sight lines and in-road charging.

Scalable   Future-proof   Adaptable   Sustainable

AIVIA Timeline

2020
Launch and partnership announcement

2021
Technology development, testing, and strategy.
Partnership Expansion

2022 Q4
Sensor program development:
Dallas Sensor Trial (North Tarrant Express)

2022 Q2-4
Connected Vehicle to Infrastructure (C2VX) implementation on Transform 66 Outside the Beltway

2023
Design & Expansion to other Cintra projects

Learn more on our website and social media channels

https://www.aiviasmartroads.com/
Cintra TW (@Cintra_Mobility)
Facebook Cintra (@CintraHighways)
Cintra LinkedIn: Cintra: Overview | LinkedIn

Consortium Members to Date

intel   Capgemini   Microsoft
Telefónica   3M