



Autonomous Vehicle Strategy in Qatar

Overview

Public Transport Affairs Department
April 2025

Overview & Status

- | | |
|--------------------|--|
| 2016 –
2024: | Undertook various trial runs: <ul style="list-style-type: none">▪ November 2016: Navya minibus at Hamad Port▪ January 2022: Yutong shuttle bus at Education City Campus▪ January 2024: Yutong shuttle bus at Lusail bus depot▪ February & April 2024: Yutong shuttle bus at Education City Campus |
| 2020: | Completed Feasibility Study of an automatic people mover in West Bay – studied technology benchmarking, route options, implementation options and cost benefit analysis . |
| April
2023: | Completed the development of Autonomous Vehicle Strategy for the State of Qatar. |
| September
2023: | Launched Autonomous Vehicle Strategy during the ‘Sustainable Transportation and Legacy for Generations Conference and Exhibition’. |
| April
2024: | Reinforced the Ministry’s commitment and direction on the future of mobility at the ‘Autonomous e-Mobility Forum’. |
| October
2024: | Set out scope of works for a public tender on the implementation of the 5-year Autonomous Vehicle Strategy. |

Autonomous Vehicle Strategy

Mission & Vision

Vision

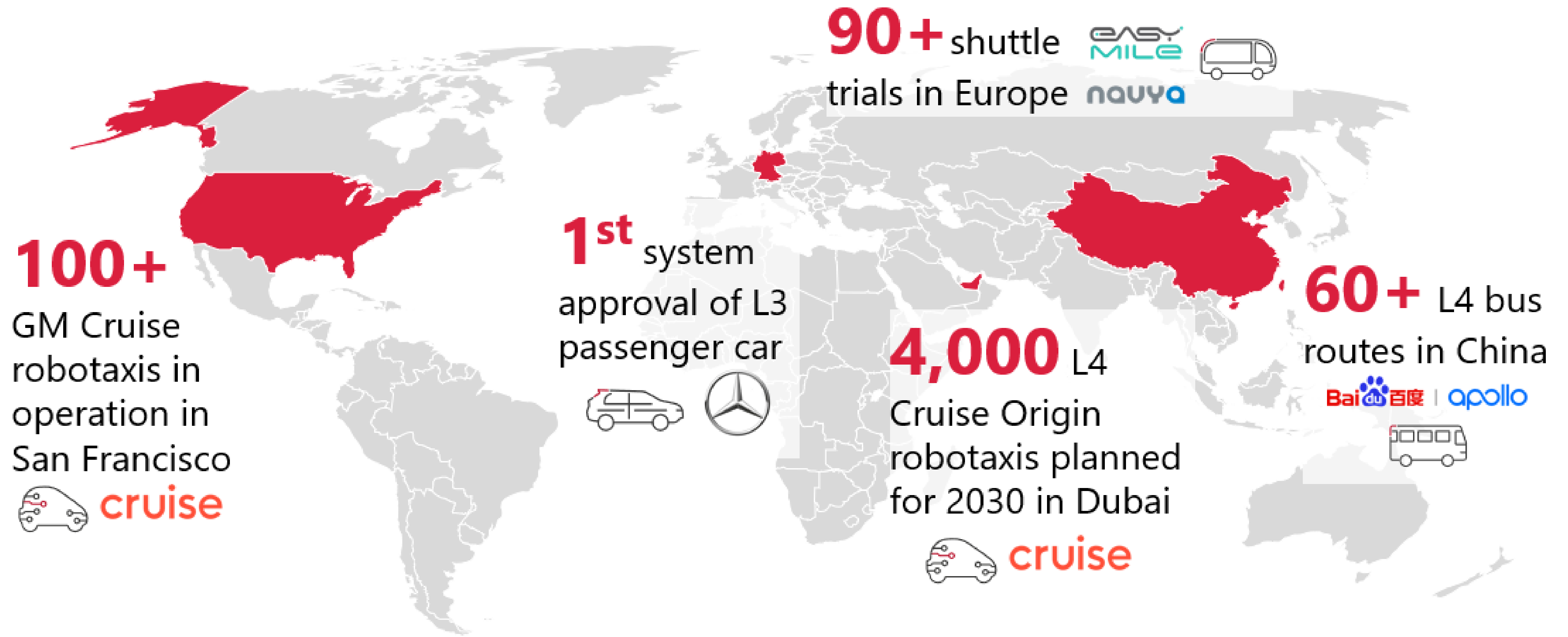
- To enhance Qatar's transportation sector by an intelligent mobility landscape



Mission

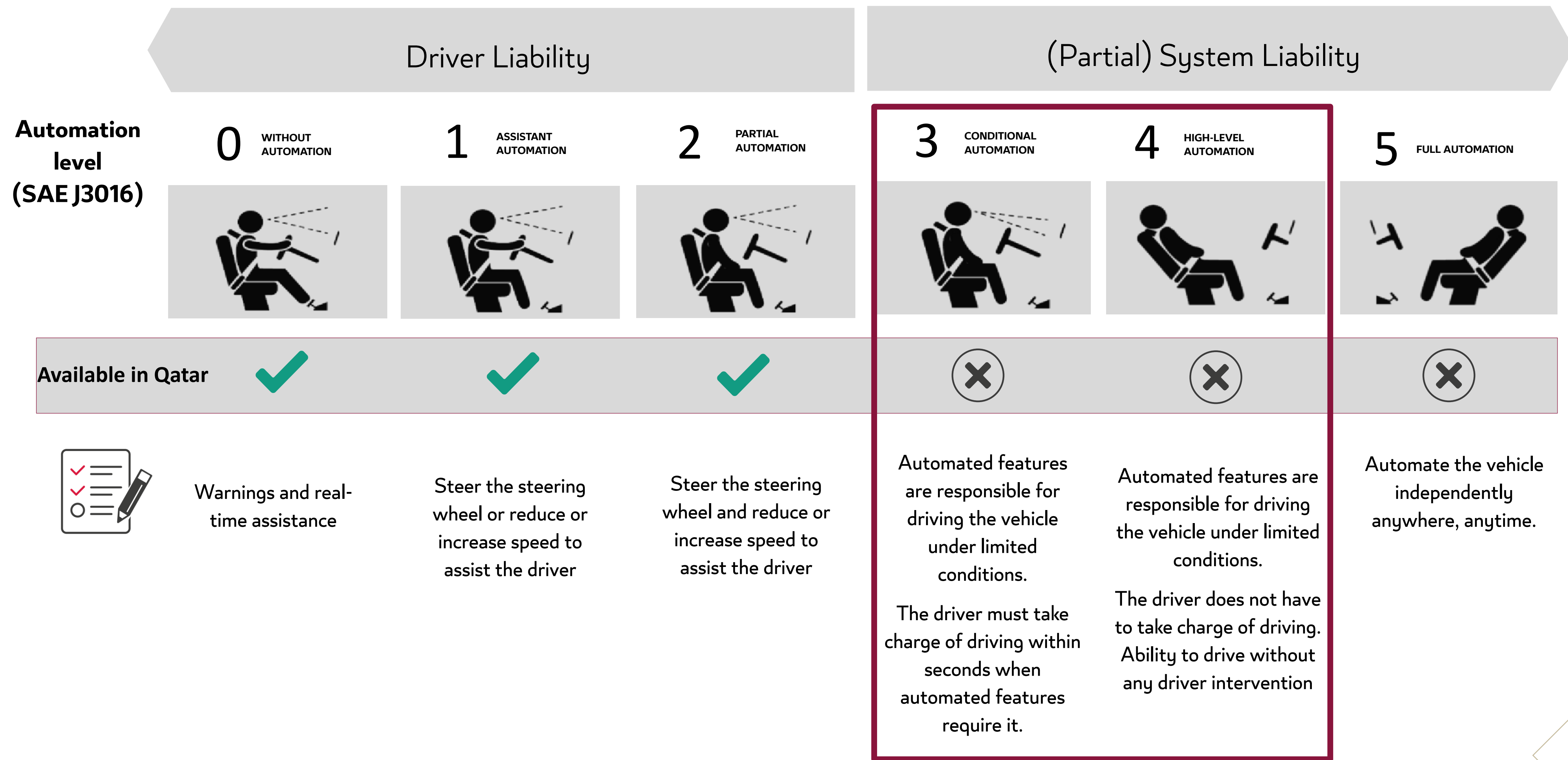
- To contribute towards a **smart, safe, integrated, accessible and sustainable** mobility landscape; where **innovation and technology** are embraced, **infrastructure is secured**, network **connectivity is strengthened** with mobility efficiency, public transport system is integrated with **autonomous vehicle operations**, and the **quality of life** of citizens and residents is enhanced.

Current leading projects and operations around the world



Levels of Automated Driving

Focus of attention in the Qatar's strategy

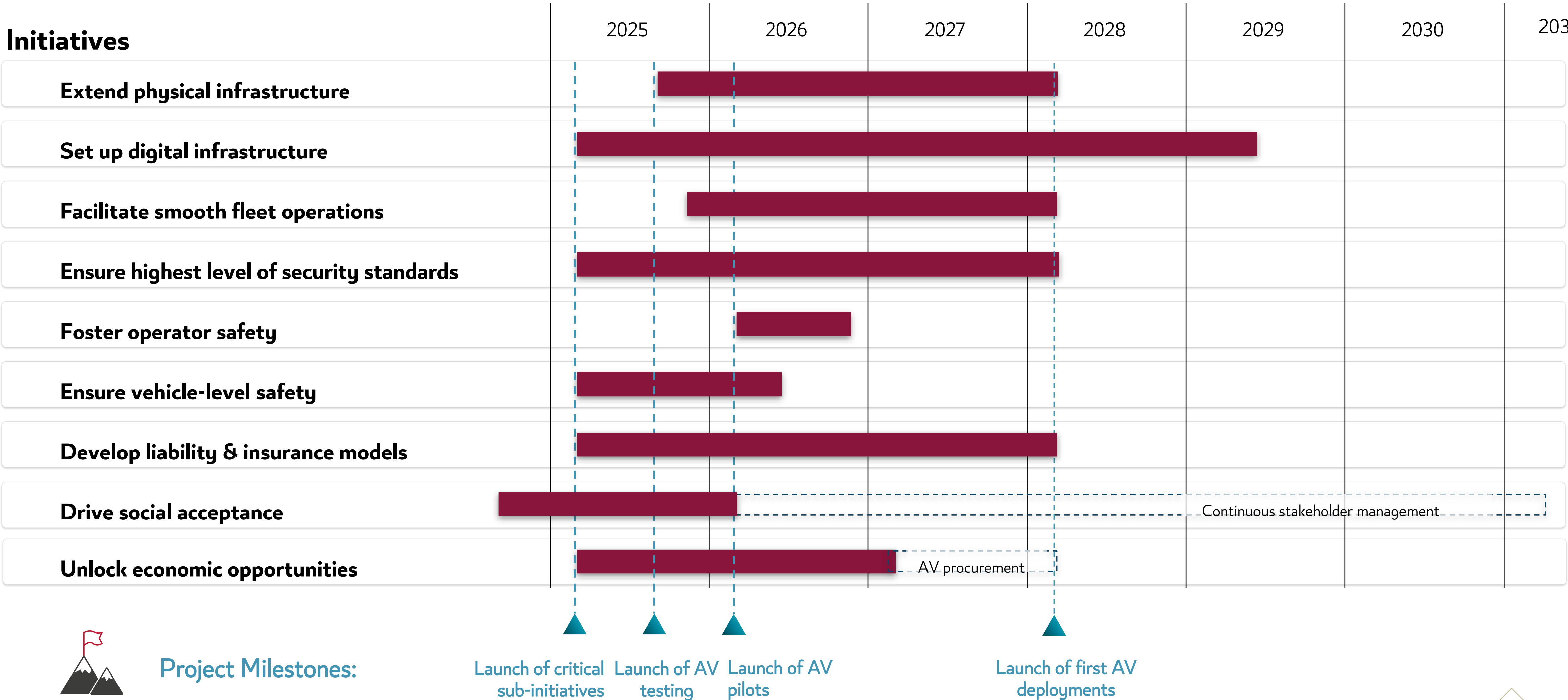


Required safe working environment for autonomous vehicle systems



Strategy's Indicative Deployment Timeline

Informational only - The actual implementation start date is subject to external approvals.



Challenges

1 Traffic Law & insurance regulations require revision to allow full deployment of autonomous vehicles on public roads.



2 Acceptance for 'Code of Practice' for autonomous vehicle trialing to be implemented during pilot periods while legislation is developed and endorsed.



3 Implementation of strategy and new legislative framework requires cross-ministries and entities' full commitment and aligned priority.



Next Steps

- 1 Direct implementation of the Autonomous Vehicle Strategy 2025-2030. Tender will be issued soon.
- 2 Establish governance arrangements for Autonomous Vehicle Strategy Deployment:
Steering Committee, Autonomous Vehicle Strategy Deployment Management Office and Working Groups.
- 3 Progress with accompanied projects in parallel:
 - Study to establish Electric Vehicles and Autonomous Vehicles homologation and certification center -during 2025.
 - Establishment of Electric Vehicles charges factory in Qatar - during 2025-2027.
 - Study to Implement Supporting Infrastructure Requirements – 2025
 - Work on the Autonomous Vehicle Law and Expedited Issuance.
 - Issuing permits for testing and operational pilot for interested organizations.



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