



Technical Office

# Autonomous Vehicle Strategy for the State of Qatar

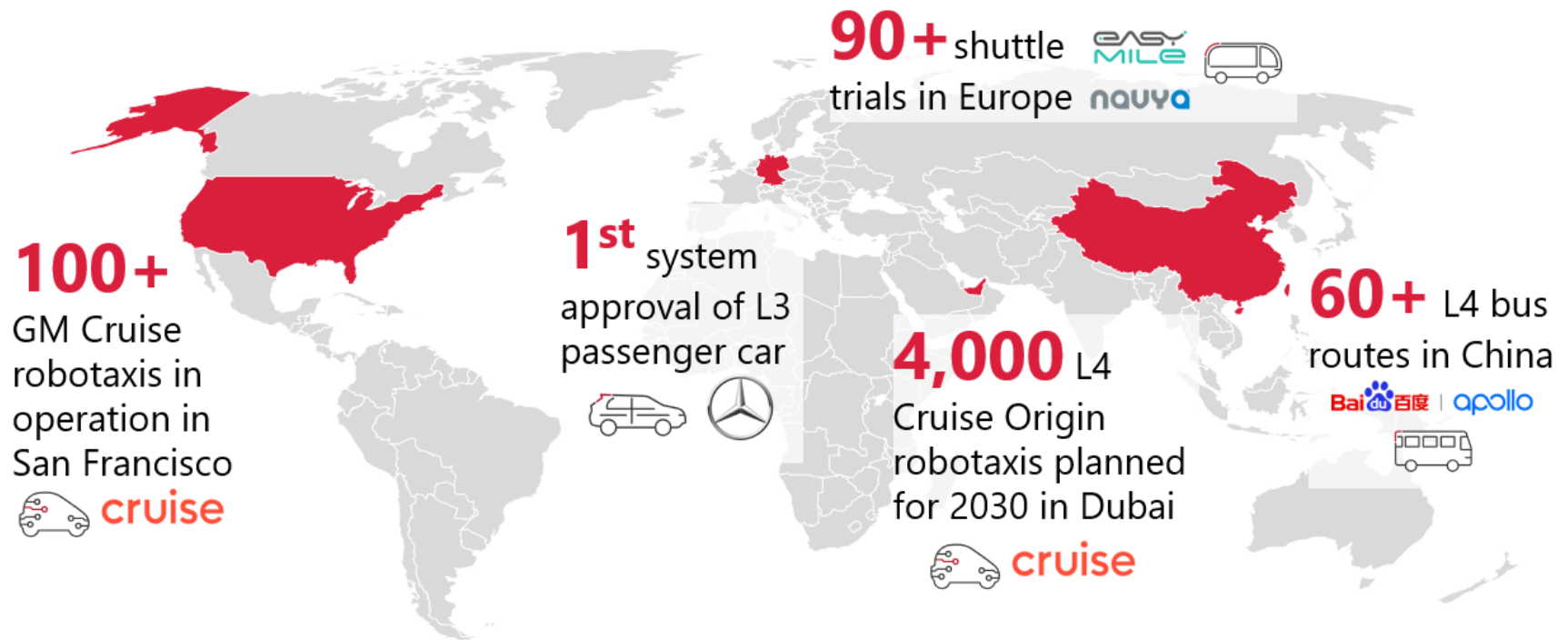
## Executive presentation

# Levels of Driving Automation



	Driver Liability			(Partial) System Liability		
Automation Level (SAE J3016)	0 NO AUTOMATION	1 DRIVER ASSISTANCE	2 PARTIAL AUTOMATION	3 CONDITIONAL AUTOMATION	4 HIGH AUTOMATION	5 FULL AUTOMATION
Availability in Qatar	✓	✓	✓	✗	✗	✗
	Warnings and momentary assistance	Steering or brake/acceleration to support the driver	Steering and brake/acceleration to support the driver	Automated features can drive under limited conditions.  Driver has to take over within seconds when the feature requests.	Automated features can drive under limited conditions.  Do not require driver to take over. "Mind-off" driving is possible.	Vehicle can drive autonomously anywhere at any time.
				<b>Recommended Focus</b>		

# Autonomous Vehicles - pilots and operations worldwide



# AV Strategy for State of Qatar



## Vision

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

## Mission

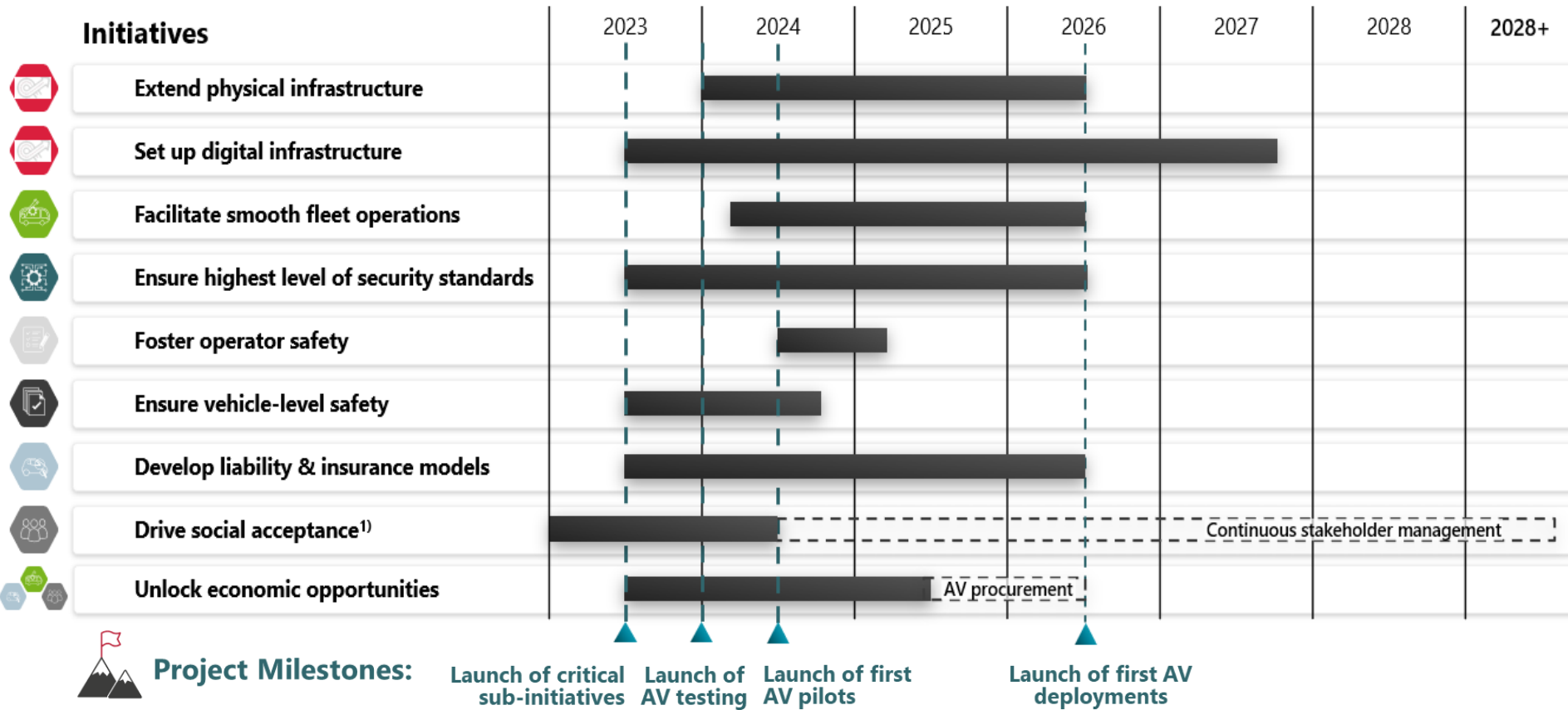
To contribute towards a **smart, safe, integrated, accessible and sustainable** mobility landscape; where

- **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.

# AV Ecosystem Enabler Category



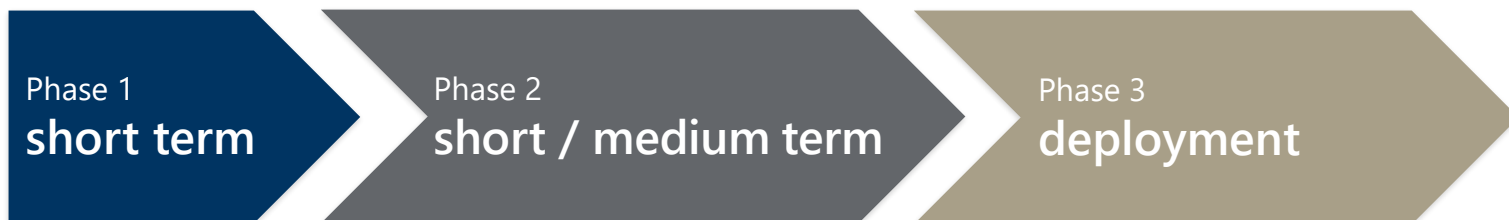
# Strategy Deployment Timeline



# Legislation - Phases



## Legislative phases



Year	2023	2024	2025	2026	2027
<b>Description</b>	<ul style="list-style-type: none"> <li>• Primary legislation changes e.g. Traffic Law.</li> <li>• Development of AV legislation</li> <li>• Development of Code of Practice (COP)</li> </ul>	<ul style="list-style-type: none"> <li>• Development of AV by-laws: continued consultation with insurers, manufacturers, international law makers &amp; public authorities</li> <li>• Testing Process confirmation and assessment of private sector involvement</li> <li>• Enhancement of COP</li> </ul>		<ul style="list-style-type: none"> <li>• Identification of any further required changes to allow deployment of AV vehicles</li> <li>• Use of enhanced COP for new trials and deployment</li> </ul>	

وزارة المواصلات  
Ministry of Transport  
دولة قطر • State of Qatar



# Thank You

P.O. Box 24455, Doha, Qatar  
T +974 4045 1030  
info@mot.gov.qa  
mot.gov.qa