

4TH ASECAP SUSTAINABILITY FORUM

Monday, 15 December 2025 | Roma

Olympia Odos

**Strategic road map of Olympia Odos
for road infrastructure
decarbonization and resilience**

Dr. Panayiotis Papanikolas
Chairman & Chief Executive Officer



National Road of vital importance



2008-2025

- 6.000 employees
- 93% reduction in accidents
- 2,2 million sq m of pavement
- 62% reduction in carbon footprint
- €94 million investment in environmental protection projects
- Kilometer-based Charging from 2021

Current Requirements Due to Climate Change

- Reducing Environmental Footprint
- Developing Resilient Infrastructure



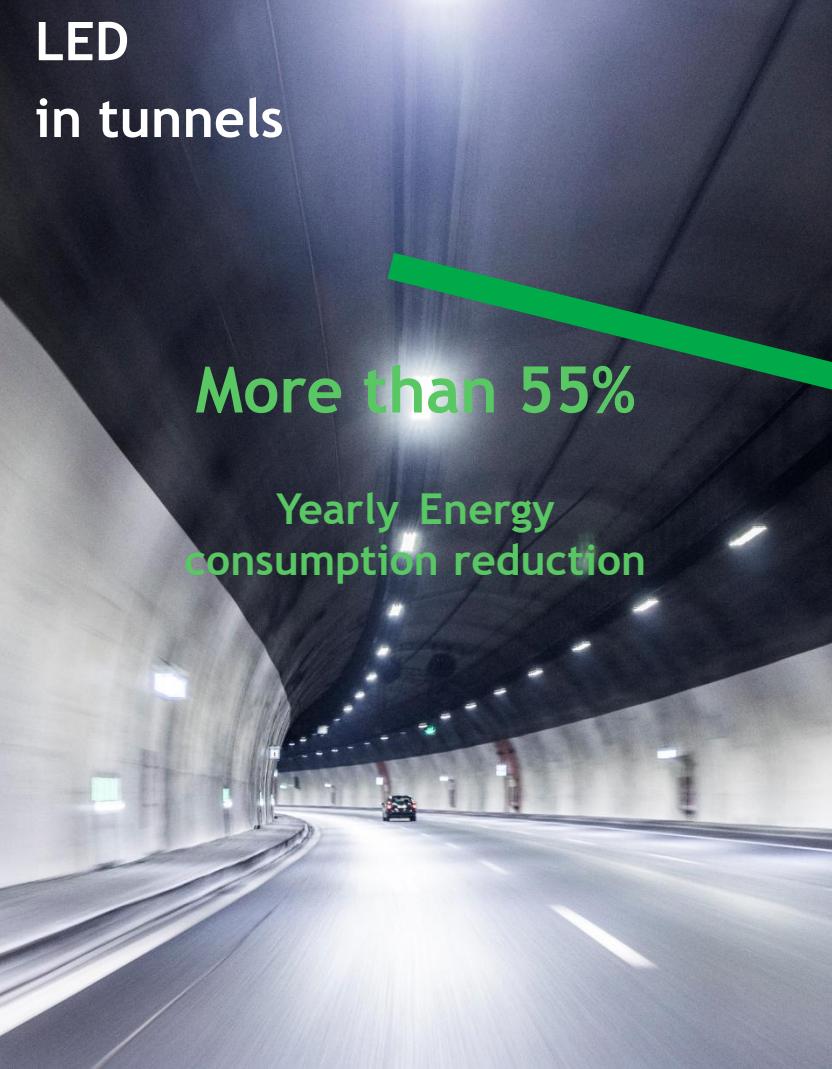


Google Earth
Data SIO, NOAA, U.S. Navy

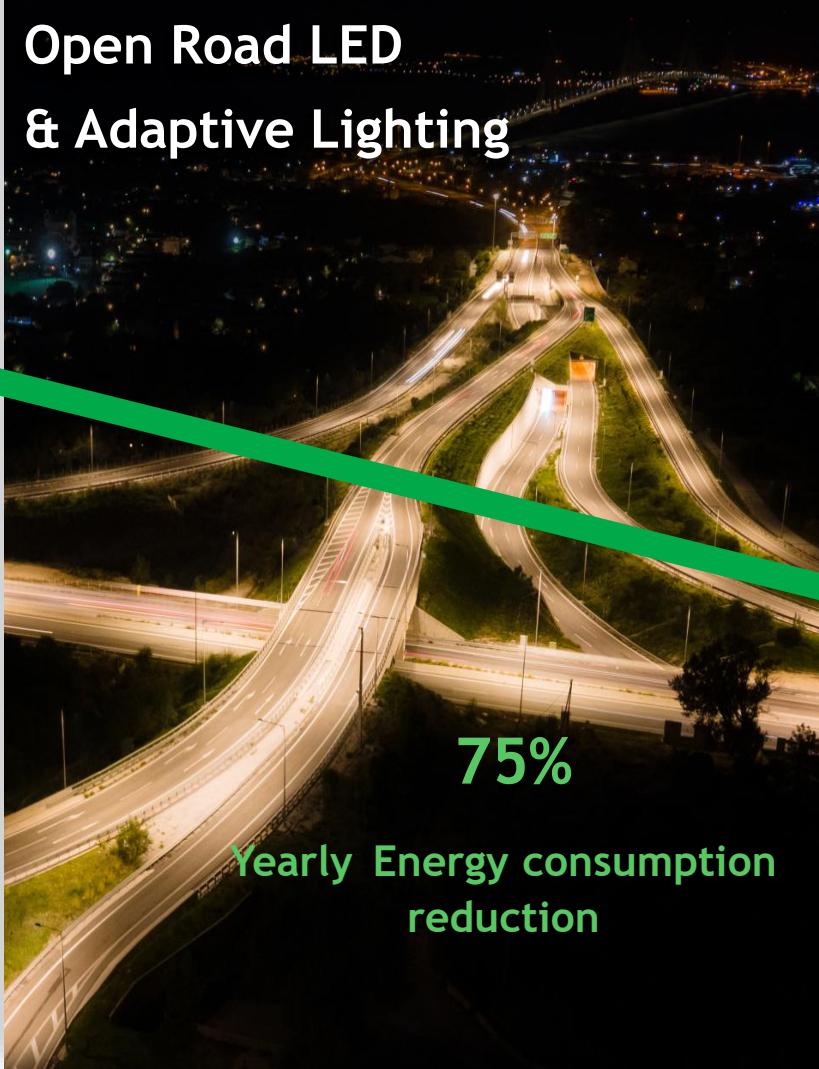
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Our route towards Zero emissions

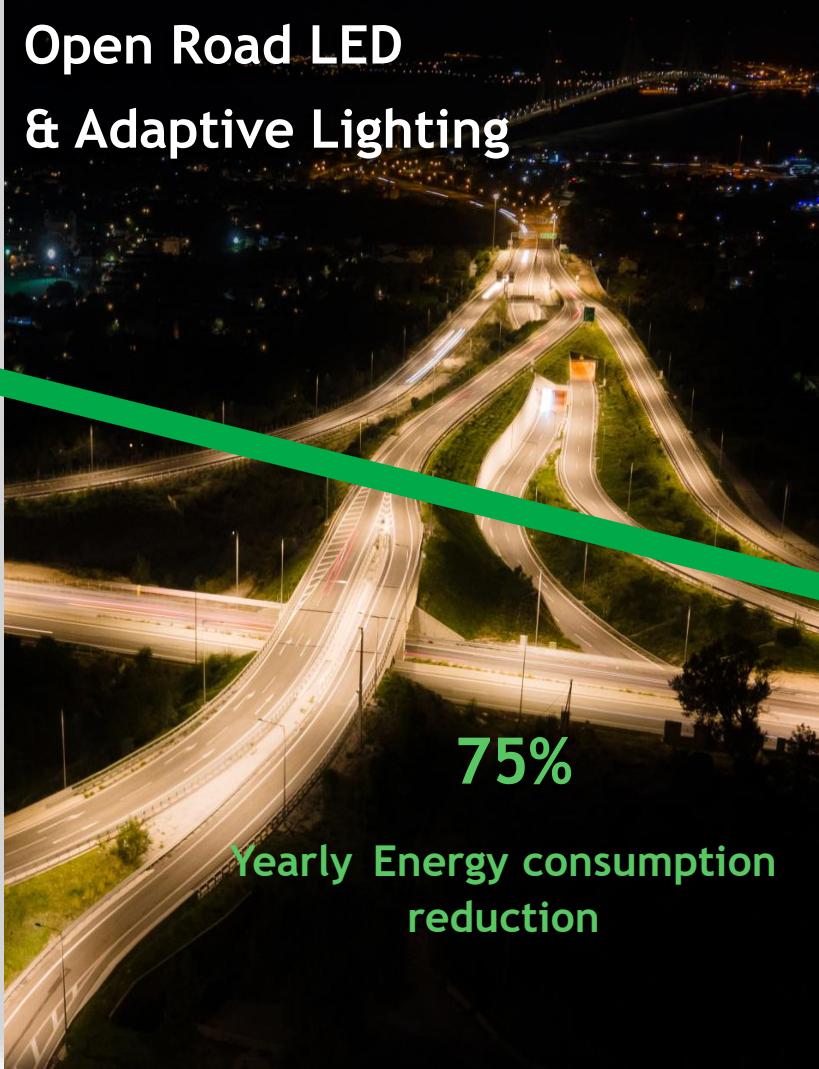
LED
in tunnels



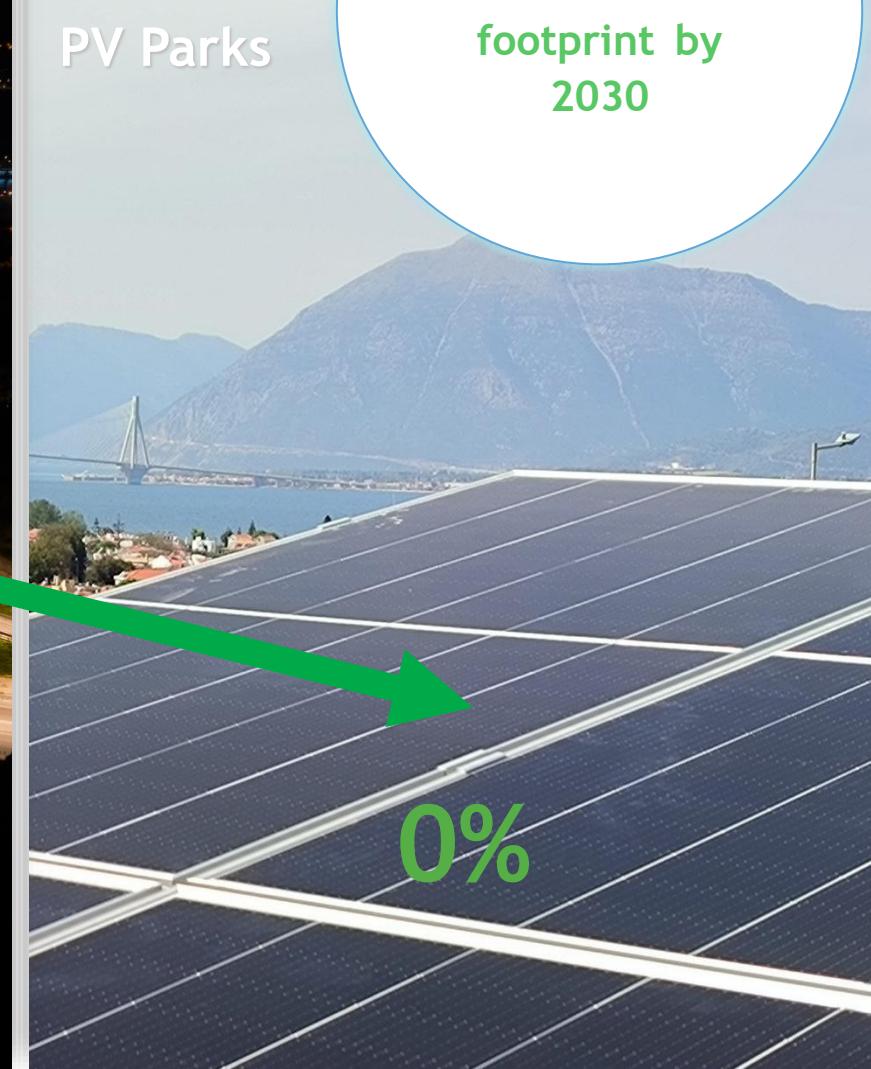
More than 55%
Yearly Energy
consumption reduction



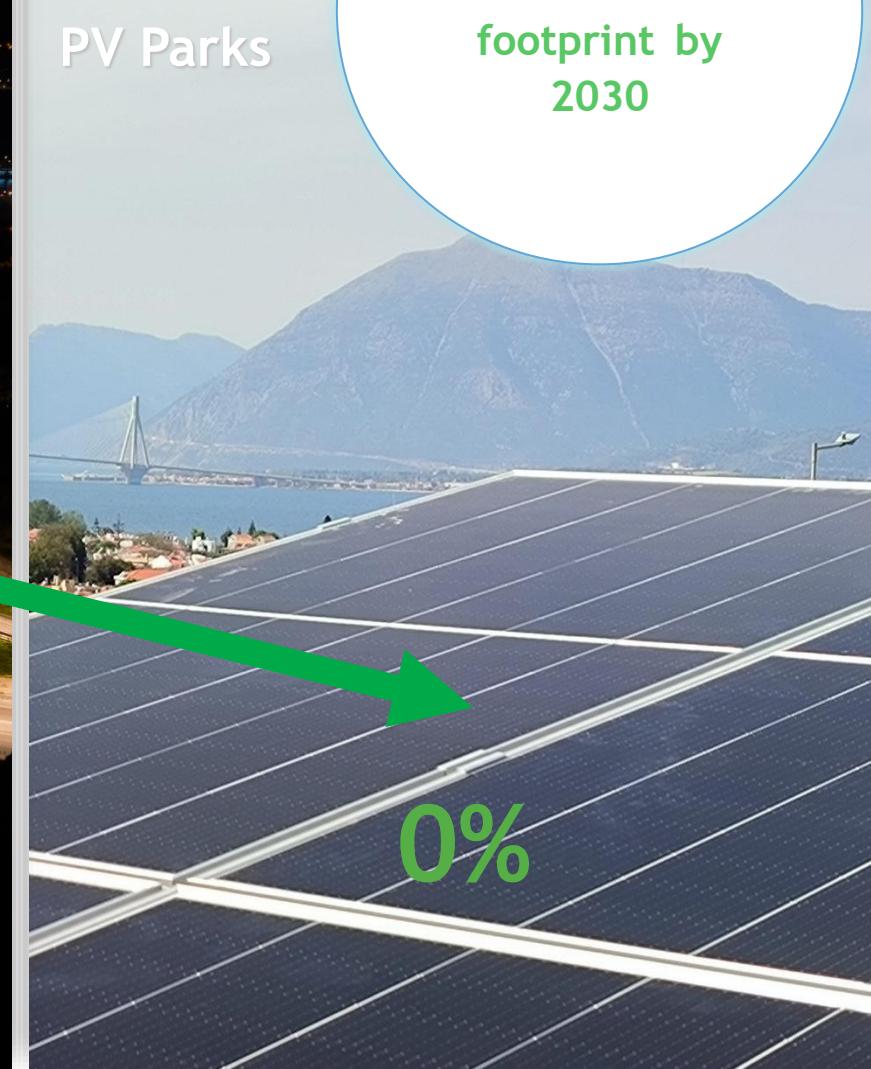
Open Road LED
& Adaptive Lighting



75%
Yearly Energy consumption
reduction



PV Parks



0%

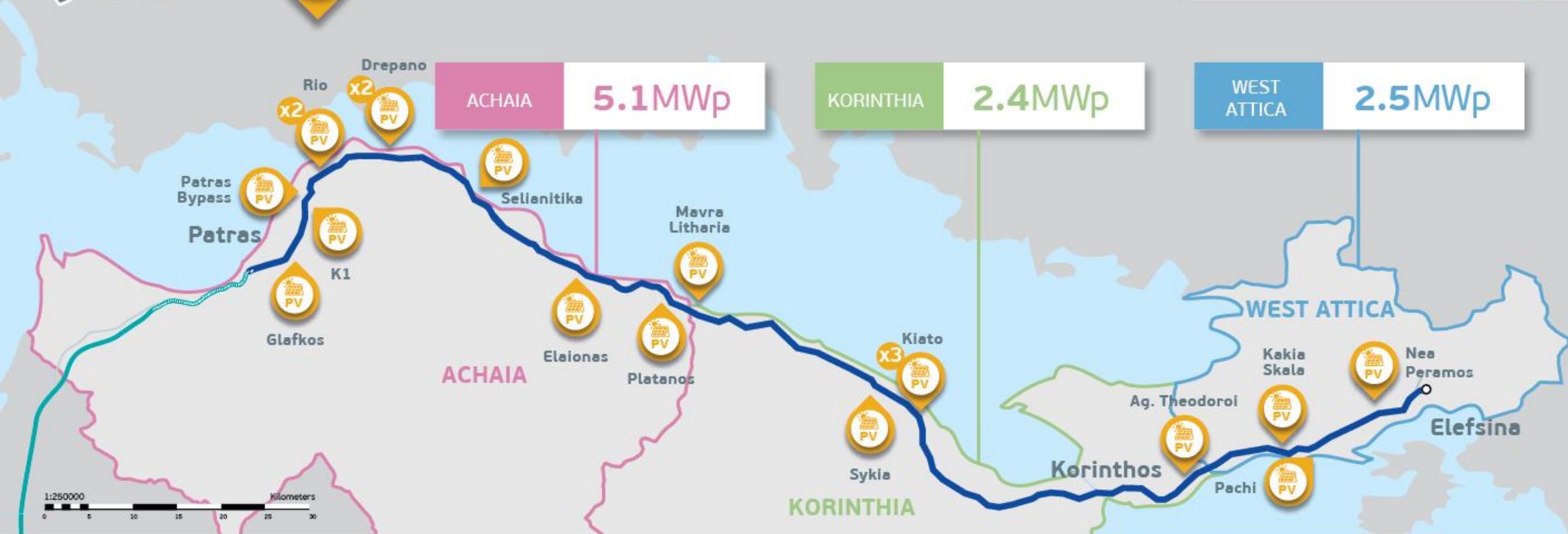


GOAL:
Zero CO₂
footprint by
2030



Photovoltaic Installation

Capacity to be installed **10MWP**



Strengthening Flood Resilience Across the Motorway



Elefsina-Korinthos Section (48m€)

- Additional works in 7 locations
- New studies underway for high-risk upstream basins (Mandra, Nea Peramos, Kineta)

Korinthos-Patras Section (68m€)

- 28 locations

Patras-Pyrgos Section (20m€)

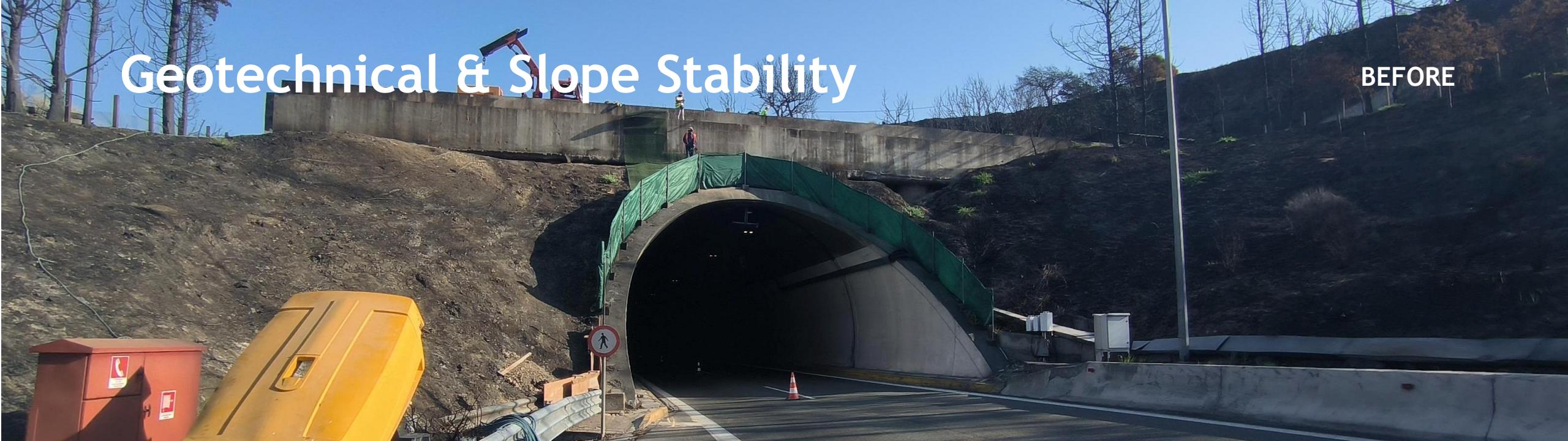
Upstream: ~150 culvert (new + old)

Additional Downstream Works:

- 43 critical locations identified

Geotechnical & Slope Stability

BEFORE



AFTER



Real-Time Rockfall Monitoring with Strain Gauges



Sensors installed to critical blocks

- Continuous high - precision monitoring
- Automated alerts
- Instant safety protocol activation

Wildfire Preparedness - Case of August 2025



- ✓ Timely Traffic Management
- ✓ Coordination between Operation, Fire & Police
- ✓ Protection of Critical Infrastructure
- ✓ Post-Fire Inspections of Slopes & Equipment
- ✓ Annual Fire Protection Report







Thank you!



Check out our services at:
www.olympiaodos.gr



Traffic Prediction



Interactive Map



OLYMPIA PASS



Olympia Odos App



Ευρωπαϊκή Ένωση
Ταμείο Συνοχής 2014-2020
Ευρωπαϊκό Ταμείο
Περιφερειακής Ανάπτυξης 2007-2013

Με τη συγχρηματοδότηση της Ελλάδας και της Ευρωπαϊκής Ένωσης

