

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



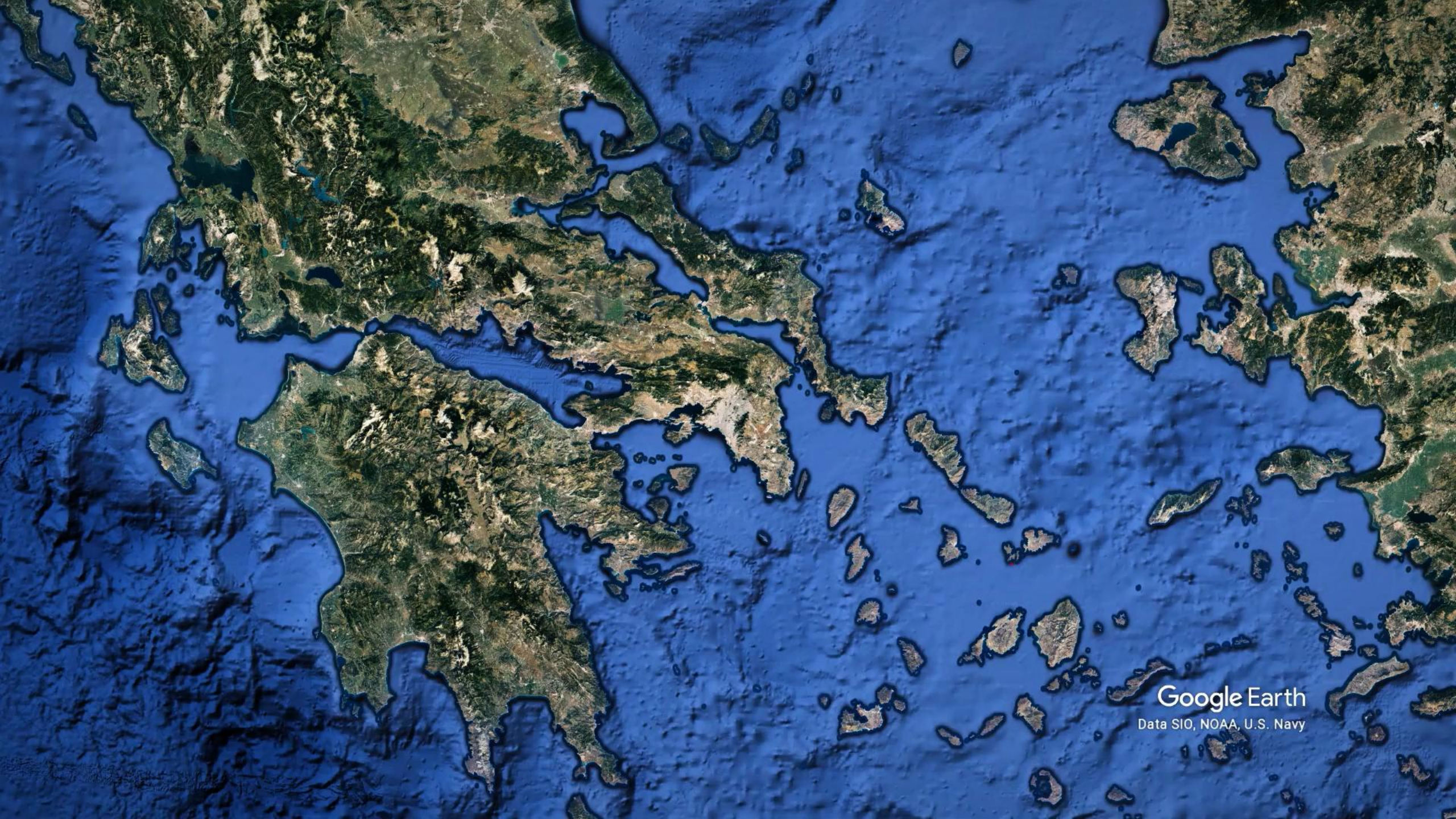


2008-2025

- 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

Our route towards Zero emissions

GOAL:
Zero CO₂
footprint by
2030

LED
in tunnels

More than 55%

Yearly Energy
consumption reduction

Open Road LED
& Adaptive Lighting

75%

Yearly Energy consumption
reduction

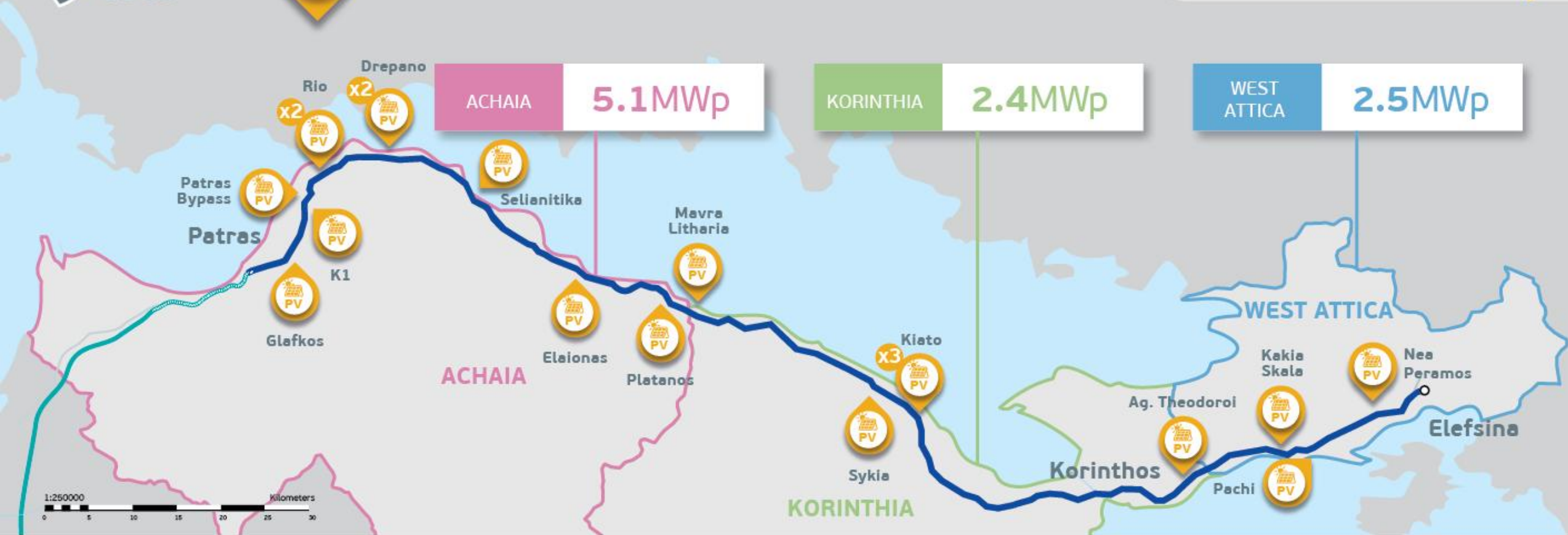
PV Parks

0%



Photovoltaic Installation

Capacity to
be installed **10MWp**



Strengthening Flood Resilience Across the Motorway

The background image shows a river with white water rapids flowing under a concrete bridge. The left bank is a steep, eroded hillside with some vegetation and a concrete retaining wall. The right bank is a rocky shoreline. A green semi-transparent overlay covers the right side of the image, containing text about flood resilience projects.

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

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



Sensors installed to critical blocks

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