

ASECAP DAYS 2025

26 - 28 May 2025 | Madrid

Olympia Odos

Safety and Performance in Real Time:
How New Technologies are
Transforming Road Safety

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Chief Technical Officer



The project





2008-2025

- 6.000 employees
- 93% reduction in accidents
- 2,2 million sq m of pavement
- 62% reduction in carbon footprint
- €78 million investment in environmental protection projects
- Kilometer-based Charging from 2021

Advancing Safety & Reliability

Real-time technologies for safer infrastructures, smart decisions & long-term resilience

- Uninterrupted mobility
- Reliability of assets
- Safer working conditions
- Better user experience
- Climate-resilient infrastructure



Can we do it better? Smarter? Safer?

Adaptive Lighting System & Smart Control

Optimizes lighting conditions by integrating:



Φωτισμός LED
LED Lighting



Προσαρμοστικός
Φωτισμός
Adaptive Lighting



Παρακολούθηση
κίνησης
Traffic
Monitoring



Μετεωρολογικοί Σταθμοί
& Κάμερες
Weather Stations
& Cameras

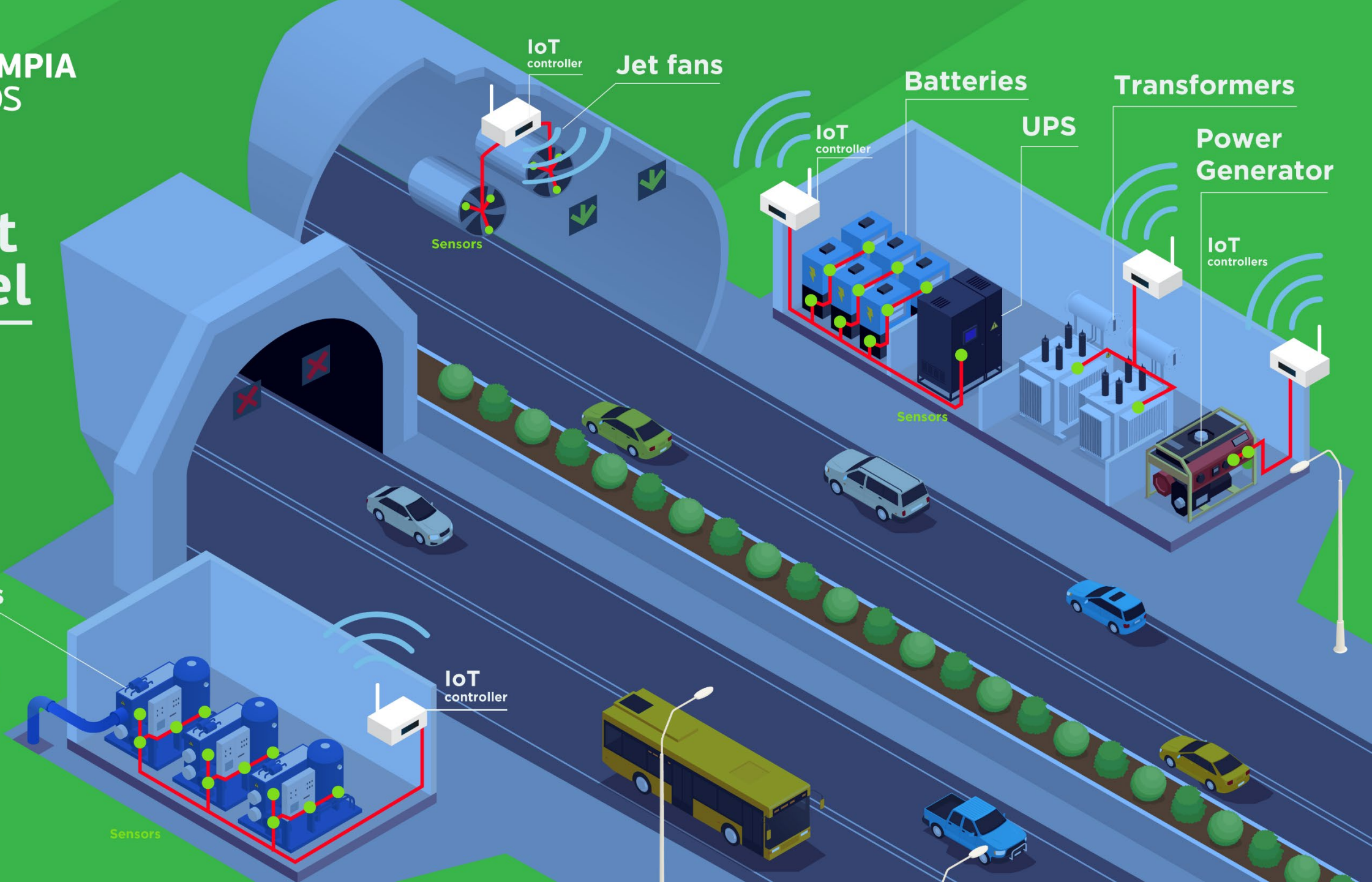
AI powered energy efficiency
& safety

Smart Tunnel

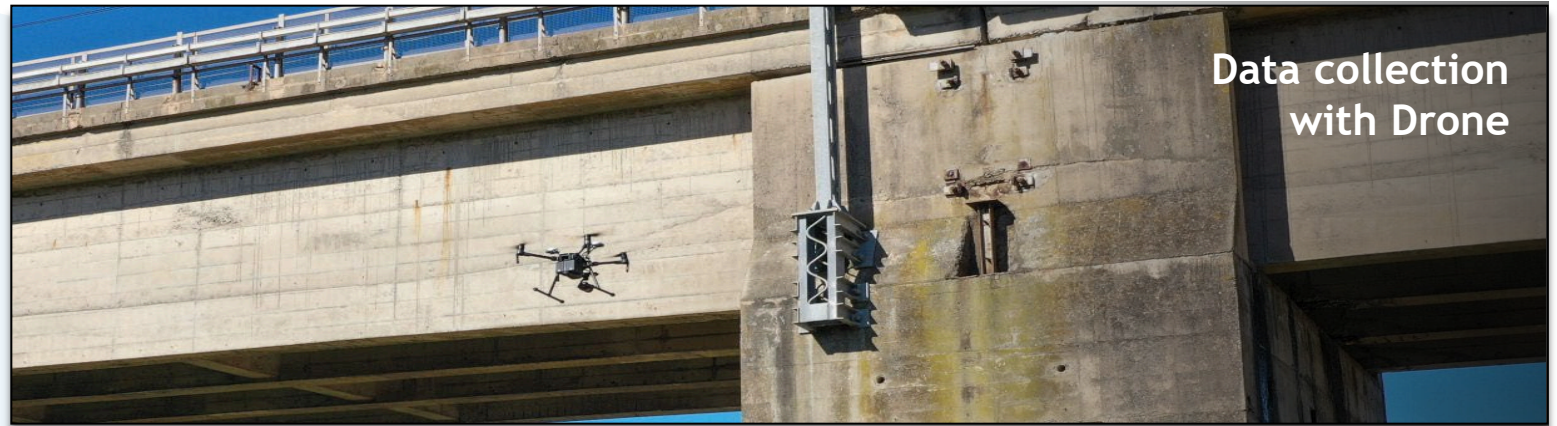
Exterior

Fire Pumps

- Physical Data
- Signal Data
- Big Data



Smart Inspections Smart Repairs



Real-Time Rockfall Monitoring with Strain Gauges

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



Sensors installed to critical blocks

Revolutionizing Safety with Smart Systems

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