

NEW ROAD LAYOUT
N7 NEWLANDS X
DRIVE WITH CARE



Mobility depends on Network Integration.
The initiative to integrate the Greek Tollways

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EUROPEAN POLICIES

EU WHITE PAPER (2011) List of initiatives /

"Towards a competitive and resource efficient transport system"

➤ AN EFFICIENT AND INTEGRATED MOBILITY SYSTEM

A Single European Transport Area, Promoting quality jobs and working conditions, Secure Transport, Acting on transport safety: Saving thousands of lives

➤ INNOVATING FOR THE FUTURE: TECHNOLOGY AND BEHAVIOUR

A European Transport Research and Innovation Policy, Promoting more sustainable behavior, Integrated urban mobility

➤ MODERN INFRASTRUCTURE AND SMART FUNDING

Transport infrastructure: territorial cohesion and economic growth, A coherent funding framework, Getting prices right and avoiding distortions

➤ THE EXTERNAL DIMENSION – TRANSPORT IN THE WORLD

Integrating the Greek Toll Road Network



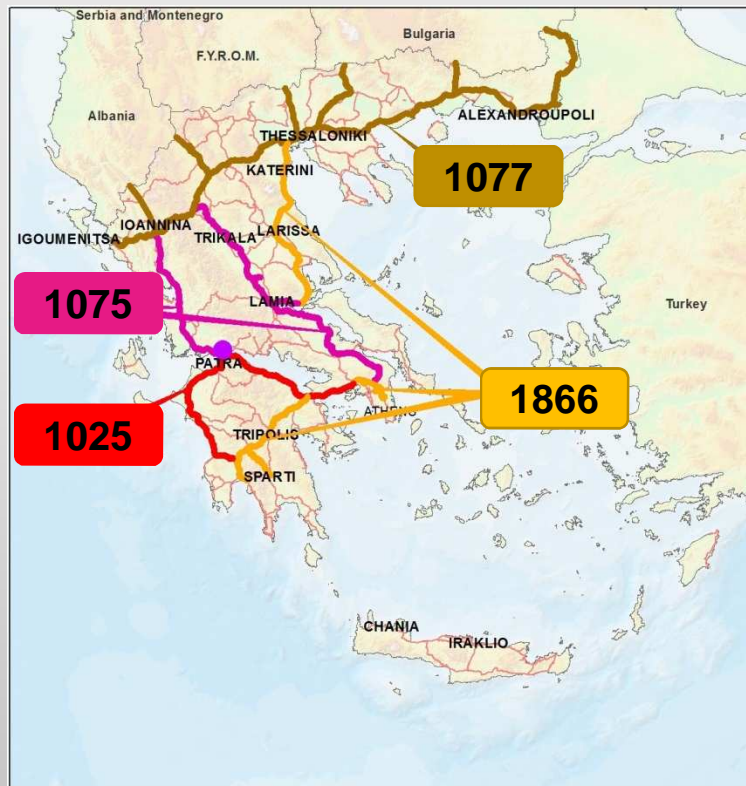
The HELLENIC ASSOCIATION of TOLL ROAD NETWORKS



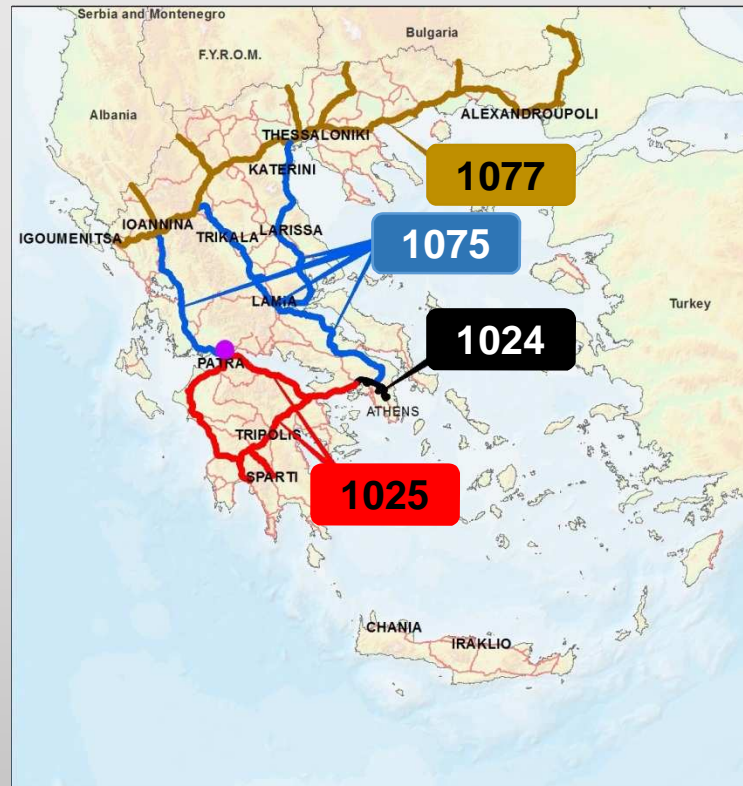
The association was created to promote:

- Road traffic safety
- Interoperability of Electronic Toll Collection (ETC) Systems
- Establishment of common technical specifications for all projects
- Application of similar operational procedures
- Support of user finance transportation principles
- Integration of R&D into the everyday operations
- Exchange of know-how between the Association's members in Greece and abroad
- Adoption of new technological applications
- Best Practices in toll road operation

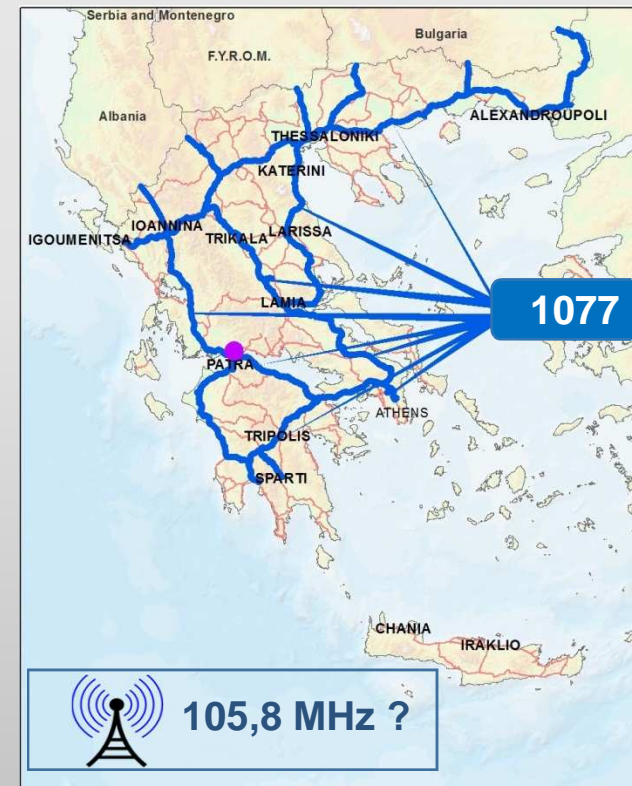
One Emergency Phone Number for all. How about a National Radio frequency?



Initial Stage – Sharing Numbers



2nd step – Going Regional



Future goal – Going National

Tunnel Safety starts from uniform signag

Egnatia Odos



Attiki
(Attica T



Nea Odos



Olympi



Key figures of Greek Toll Road Network

Basic Annual Network Elements	Greek Toll Road Network 2014 Data
Vehicle kilometers travelled (in millions)	7.562
Total number of incidents (responded by O&M personnel)	93.373
Total number of toll stations (sum of mainline and ramp plazas)	97
Total number of toll gates (physical lanes)	560
Total number of ETC tags (active tags as at the end of 2014)	607.417
Total number of toll transactions	191.761.353
Annual Toll Revenue (in million €, excluding VAT)	468.872
Total Incoming phone calls (call center plus emergency number)	322.817





HELLASTRON:

A true PPP by Integrating, Policies, People, Procedures

	MOTORWAY LENGTH (Km) (INCLUDING SECTIONS UNDER CONSTRUCTION)	2014 TOTAL NUMBER OF PERSONNEL (INCLUDING CONSTRUCTION)	2014 NUMBER OF O&M PERSONNEL	2014 ANNUAL NUMBER OF WORKING HOURS ON O&M	2014 O&M VEHICLE FLEET	2014 VEHICLE DRIVEN BY PATROL
ATTIKI ODOS	70	950	950	1.745.150	150	3.560.000
GEFYRA	4	100	100	183.700	12	275.000
NEA ODOS	377	2.327	299	549.263	74	2.000.000
KENTRIKI ODOS	248	669	95	174.515	26	270.000
OLYMPIA ODOS	202	2.645	445	817.465	64	3.670.000
MOREAS	205	330	286	525.382	37	2.800.000
AEGEAN MOTORWAY	230	1.500	500	918.500	54	2.715.200
EGNATIA ODOS & VERICAL AXES	1.000	550	400	734.800	240	5.000.000
TOTAL	2.336	9.071	3.075	5.648.775	657	20.290.000

The vehicle x kms travelled yearly by the patrol cars is equivalent to 507 times the perimeter of the Earth!

Greek ETC Interoperability – Year 2014 Data

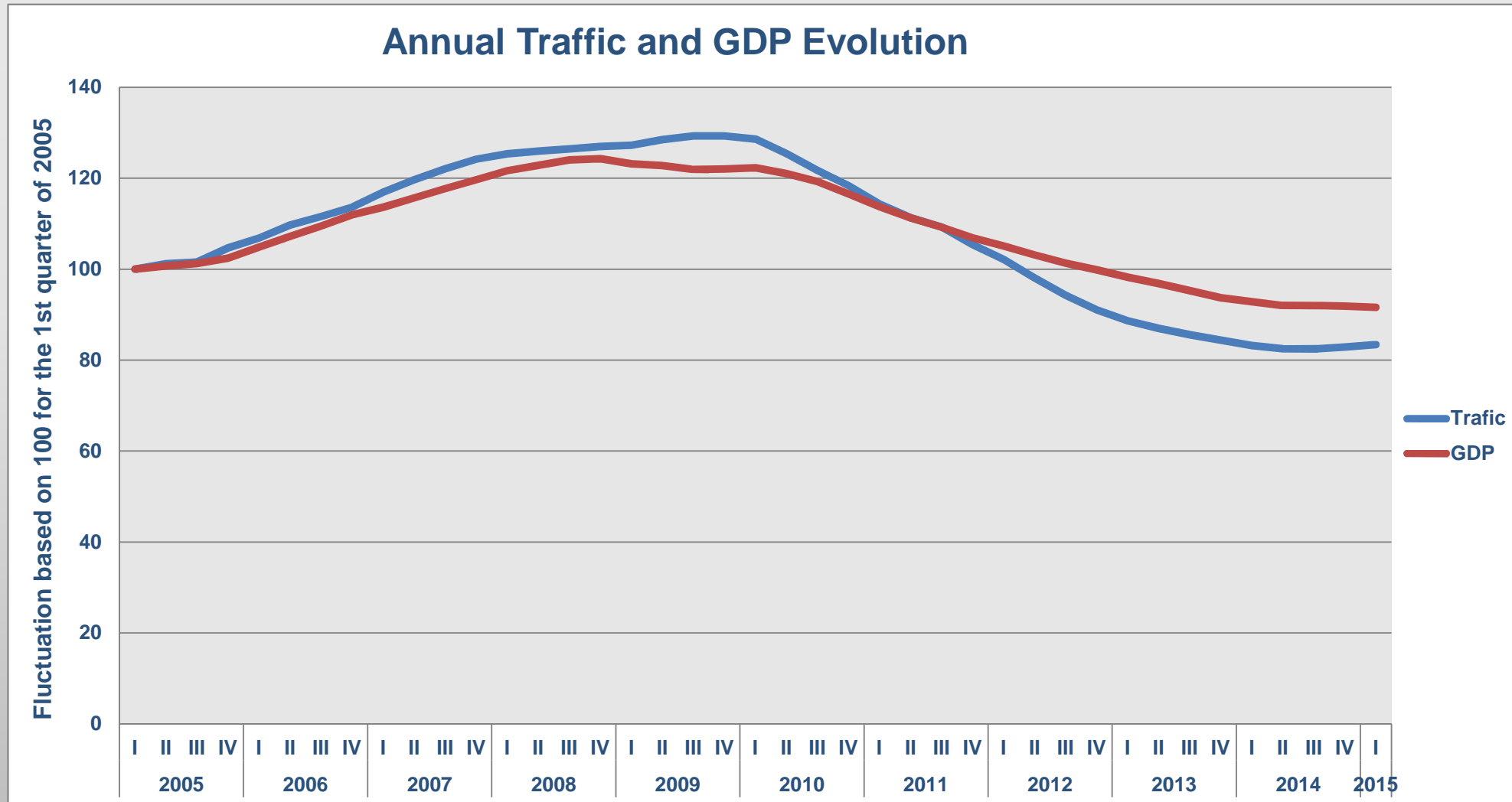
Project	ETC Penetration	Tag and Invoice Issuer					
		e-PASS Attiki Odos	O-Pass Olympia Odos	e-Way Aegean	E-PASS Gefyra	Fast Pass Nea Odos	All tags
		Annual Transactions	Annual Transactions	Annual Transactions	Annual Transactions	Annual Transactions	Annual Transactions
Attiki Odos	50%	34.637.668	142.077	54.906	19.795	0	34.854.44
Moreas (*)	24%	3.149.219	175.980	83.735	6.582	0	3.415.51
Olympia Odos	24%	5.398.319	1.781.625	90.639	96.121	0	7.366.70
Aegean Motorway	14%	517.970	91.030	1.654.641	8.427	0	2.272.06
Gefyra	15%	96.412	10.812	2.516	297.399	0	407.139
Nea Odos	13%	0	0	0	0	3.007.780	3.007.78
Kentriki Odos (*)	7%	0	0	0	0	329.093	329.093
All 7 Projects.	27%	43.799.588	2.201.524	1.886.437	428.324	3.336.873	51.652.74
		Annual Transactions	Annual Transactions	Annual Transactions	Annual Transactions	Annual Transactions	Annual Transactions
In the Motorway operated by the same tag issuer		34.637.668	1.781.625	1.654.641	297.399	3.007.780	41.379.11
In other Motorways		9.161.920	419.899	231.796	130.925	329.093	10.273.63
Total ETC		43.799.588	2.201.524	1.886.437	428.324	3.336.873	51.652.74



(*) Moreas and Kentriki Odos have chosen not to be tag and invoice issuers. Egnatia Odos operates MTC only, while is in the process of installing ETC.

Development of Greece depends on mobility

Tolling is a good funding option.





Thank you!

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