

## THE CONTRIBUTION OF HELLASTRON ROAD NETWORK TO THE IMPROVEMENT OF THE MOBILITY AND ROAD SAFETY IN GREECE

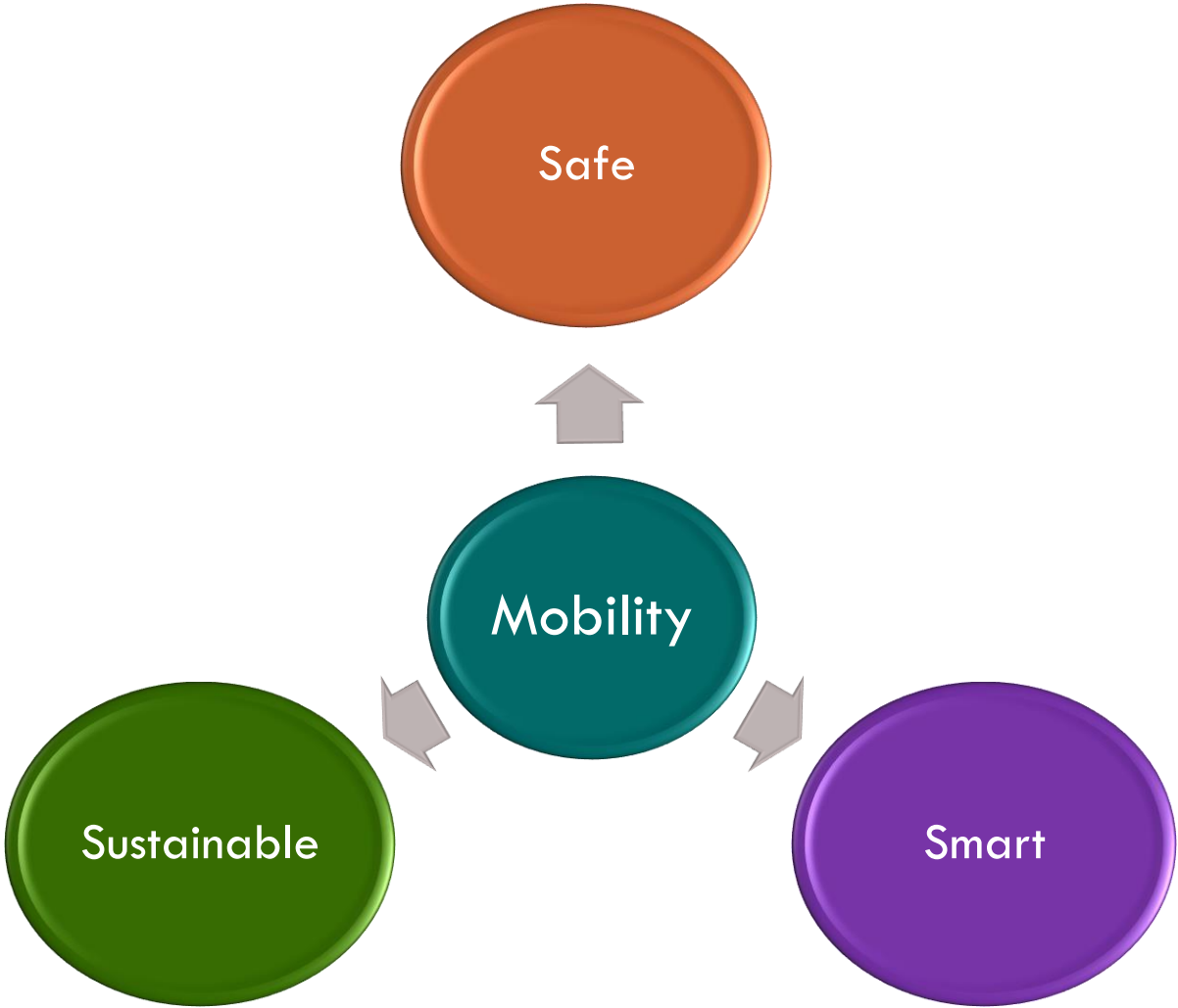
### **Manos Vrailas**

HELLASTRON, President,  
Nea Odos/Kentriki Odos  
President

*Hosted by*



# Mobility – The HELLASTRON approach





## More than 2.000 Km

of Motorways have been developed the last  
20 years in Greece

Applying the most recent European Road Infrastructure standards & best practices:

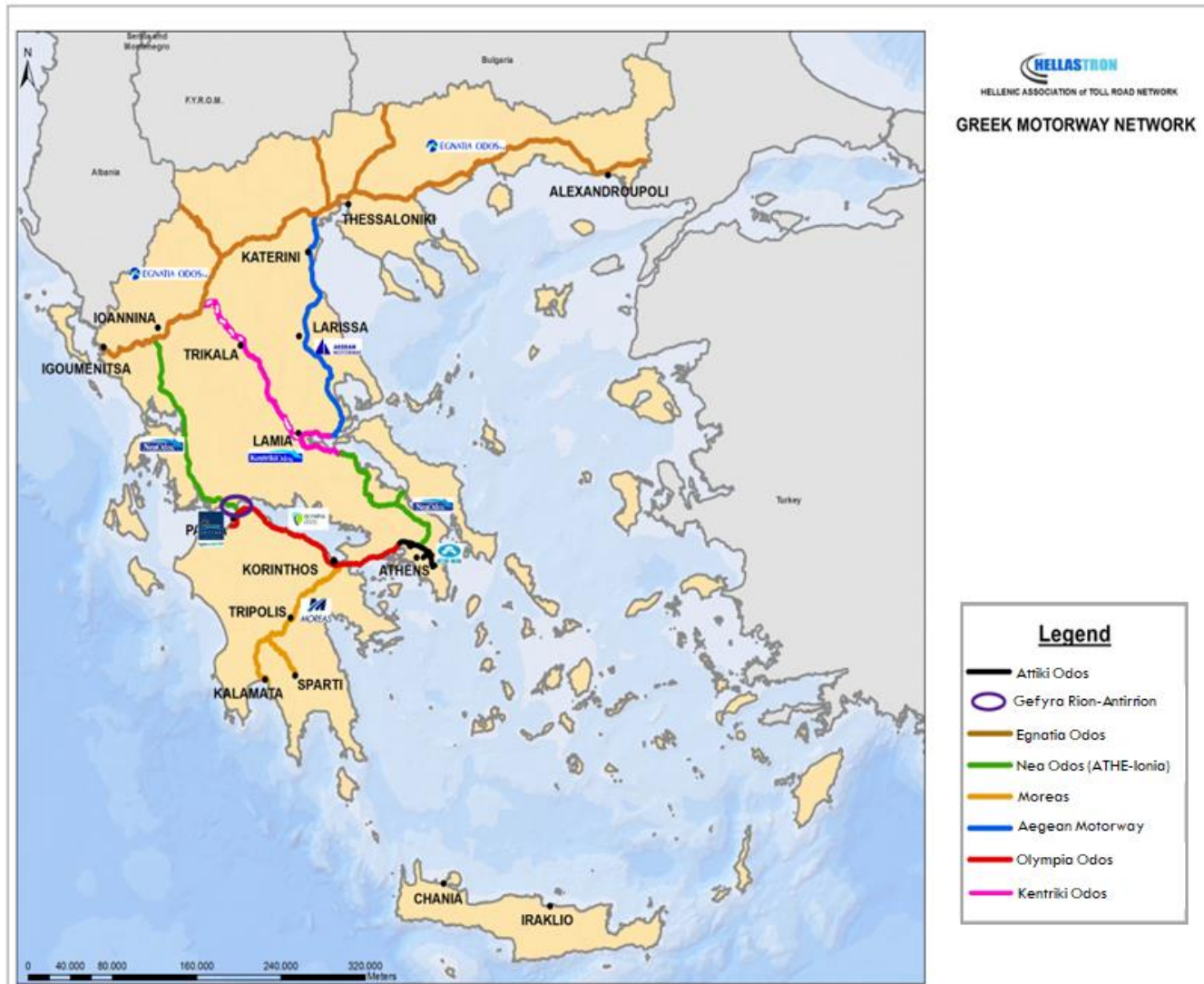
- Double Road tunnels,
- EN-1317 Safety Barriers,
- Crash cushions
- Incident detection systems, etc.









# The Greek Road Network transformation in 90''



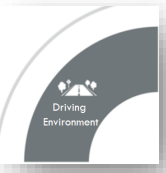
for the Athens area-the capital of Greece, with serious congestion problems for decades..

# HELLASTRON - Hellenic Association of Toll Road Network



Motorway	Motorway Length in Operation (Km)
 Attiki Odos	70
 Gefyra Rion-Antirion	3,5
 Egnatia odos	887,2
 Nea Odos (ATHE & Ionia)	377,1
 Moreas	205
 Aegean Motorway	263,7
 Olympia Odos	202,3
 Kentriki Odos	150,5
<b>Total length of network: (Kms)</b>	<b>2.159,3</b>

# HELLASTRON – Improving the Driving Environment



Average Response Time less than:

- 5,6 minutes in urban areas
- 11,3 minutes in all other areas!

More than 20 TMCs  
Monitoring 2,300 kilometres  
in 7/24/365 operation  
Managing more than 110,000  
Incidents per Year



More than 100 Safety Patrol units  
in 7/24/365 Operation

# The Human Factor in road safety

## Is Infrastructure Development Sufficient to Improve Road Safety?



**No!**

**Road Safety depends on Human Behaviour**

# Building the road safety culture

**Continuous development of Road Safety Culture is required!**

**But...Road Safety Culture Development  
is a demanding Team Effort**





# HELLASTRON: Our Commitment is to



**Inform and  
Educate Users**

**Educate  
Children**  
(Invest in future Road  
Users)

# HELLASTRON: Inform and Educate Users

## Road Traffic Safety Campaigns

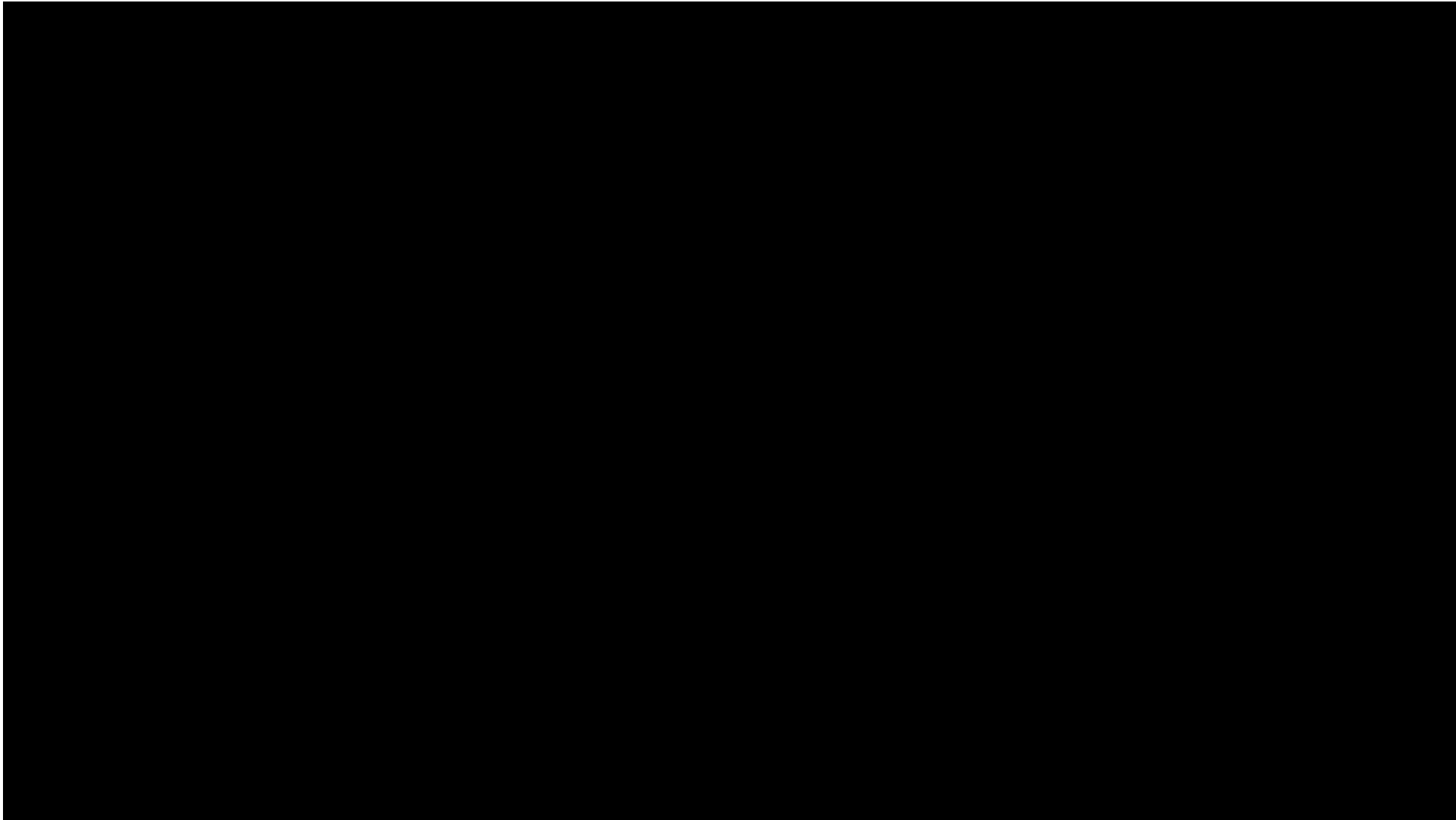
Actions to increase awareness and change dangerous habits of users



More than 450 road traffic safety campaigns and articles by HELLASTRON members during the last ten years !



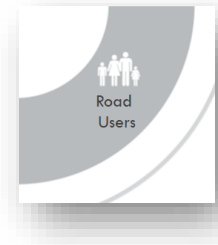
# HELLASTRON: Inform and Educate Users, Indicative Campaigns



# HELLASTRON: Inform and Educate Users



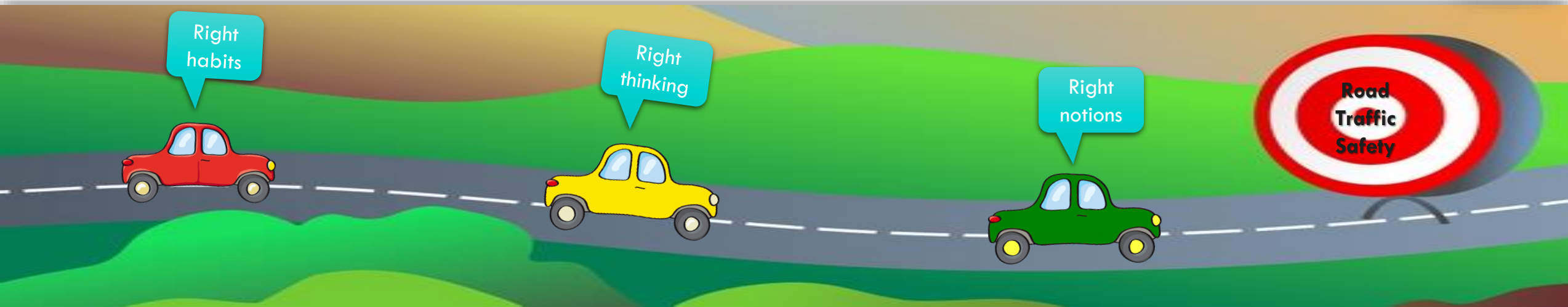
The numerous campaigns,  
Increase the probability of success



Although humans tend to make systematic errors in judgment and bad decisions due to ingrained ways of thinking, thoughts or preconceived notions (\*),  
***continued education and intensive road traffic safety campaigns  
are used to change the balance...***

# HELLASTRON: Educate the Future Users

The members of Hellastron are focusing on the education of **“future users”** aiming to create:



...to leave the seeds of the importance of road safety...

**Using:**

- Experiential educational programs
- Interactive theatrical plays



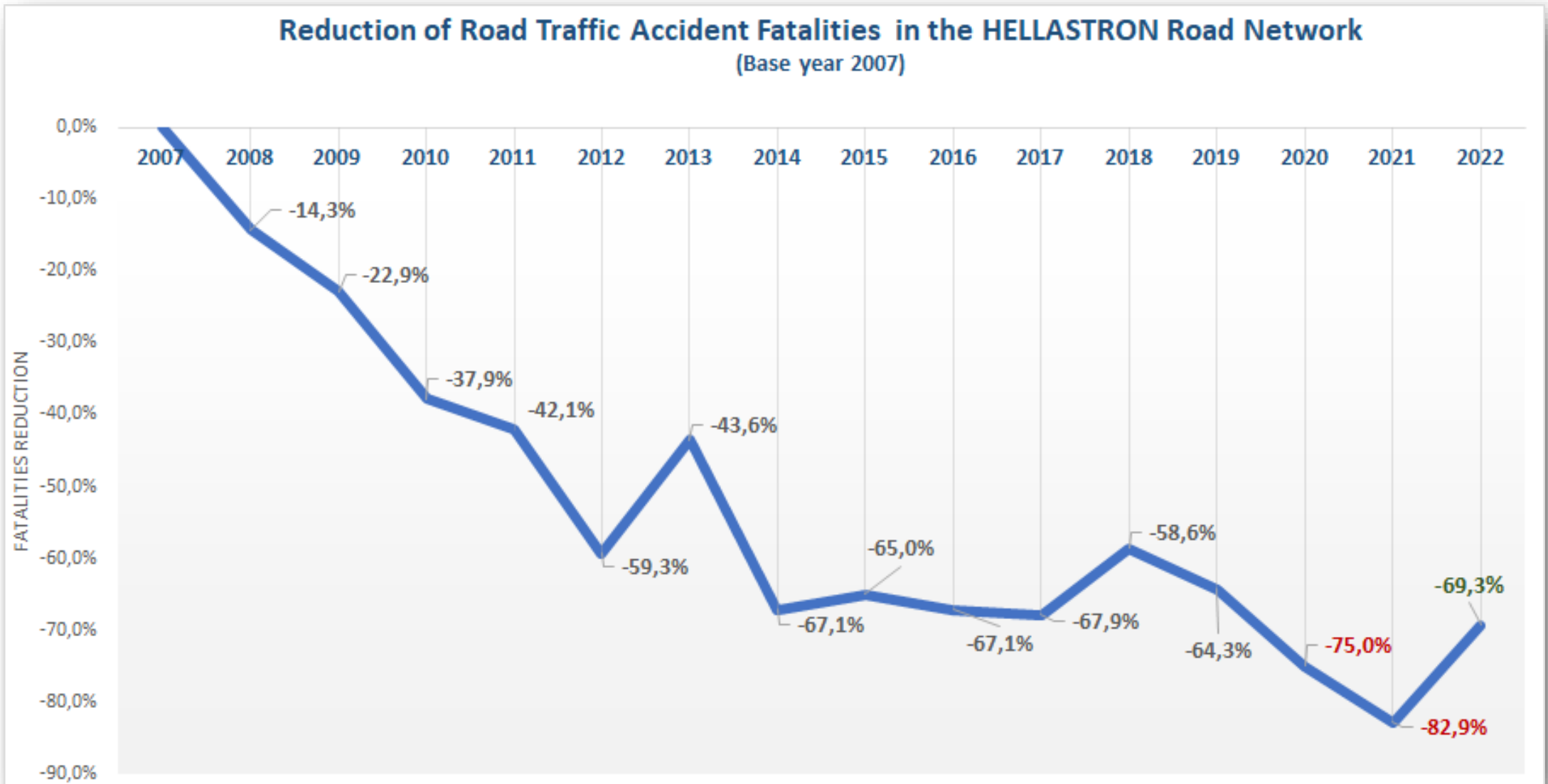


# HELLASTRON: Educate the Future Users

More than 18,000 “future users” have been educated on road safety during the last thirteen years



# HELLASTRON Road Network: Reduction of Road Accident Fatalities





## The introduction of Connected & Automated vehicles is the initiation of the transition into the "Driverless Age"

And this transition rises new issues  
for Road Safety.



- **Need for huge Investments in Motorway infrastructures and operation procedures to host safely the CAVs,**
- **New campaigns for the human resistance to release control of vehicle to a computer- Acceptance of CAV's,**
- **Policies and investments that will address the vulnerability of systems and lack of protection against any cyber attack**
- **Need for State Investments to address the needs of the new era.**

**Who and why should fund the  
demanded Motorway Infrastructure?**

## The Motorway Operators will have to:

- Deal with the increased maintenance costs for the new on-road equipment
- Change the way of thinking and operational philosophy
- Deal with the simultaneous existence of conventional vehicles and CAV's
- Educate the other stakeholders for the “Driverless Age” (society, state, etc.)
- Collaborate for the development of the legal and regulative framework

**the most important is that the  
Toll Road Industry has  
to define a clear approach for this transition period.**

## At "HELLASTRON"

we believe that Road Safety  
is an everyday activity that saves lives  
and  
returns the appropriate "VALUE"  
for the **TOLL** paid by our users.



THANK YOU

**Manos Vrailas**

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