

REDUCE AND PREVENT ACCIDENTS WITH A ROAD SAFETY SYSTEM



Quality & Safety Ltd.

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Driving Requires

- **Basic ability to use and maneuver our vehicle correctly.**
- **Basic knowledge of traffic law, traffic signage, right of way etc.**

In other words:

**Meeting the Minimum Legal Standards
To Receive a Driver's License**

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Driving Safely However Is a Task that requires much more:

- Learning New Perception Skills such as
 - Hazard Identification and Avoidance, Improved Observation
- Learning how to Maintain Focus on the Driving Environment and being Aware of Our Every Action and Reaction
- Understanding the Dynamics of Driving and Vehicle Performance.
 - Stopping Distances, Speed, Maintaining a Safety Distance, Vehicle Control under any road conditions.
- The Right Attitudes and Behaviors - Are you Safety Minded?
 - Understanding your Responsibility as a Driver.
 - Understanding the effects of alcohol, violating speed limits and traffic laws, fatigue, your emotional state ...on your driving ability

Q&S Is it Possible to Reduce and Prevent Road Related Accidents?



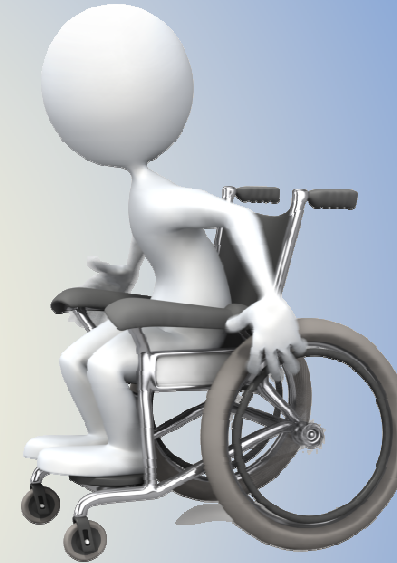
Europe

Road Safety is a Major Issue for Society.

- ➡ In 2011 more than 30,000 people died on the roads of the European Union (i.e. the equivalent of a medium town).
- ➡ For every death on Europe's roads there are an estimated:
 - 4 permanently disabling injuries such as damage to the brain or spinal cord
 - 8 serious injuries
 - 50 minor injuries.

Q&S Condition of Persons Injured in Road Accidents 1 Year after their Release from the Intensive Care Unit

- **30% required 24 hour care**
- **10% required help getting up**
- **10% confined to a wheelchair**
- **20% required help to dress themselves**
- **16% received disability pensions**
- **25% lost their jobs**
- **10% had to sell their assets (Home, Land)**
- **60% needed financial assistance from relatives**
- **70% spent their savings**

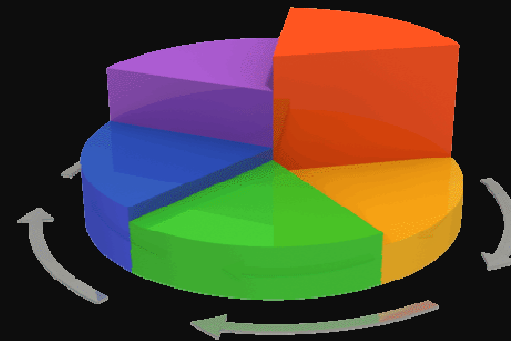


Source: Study by the Medical School-University of Athens 2011

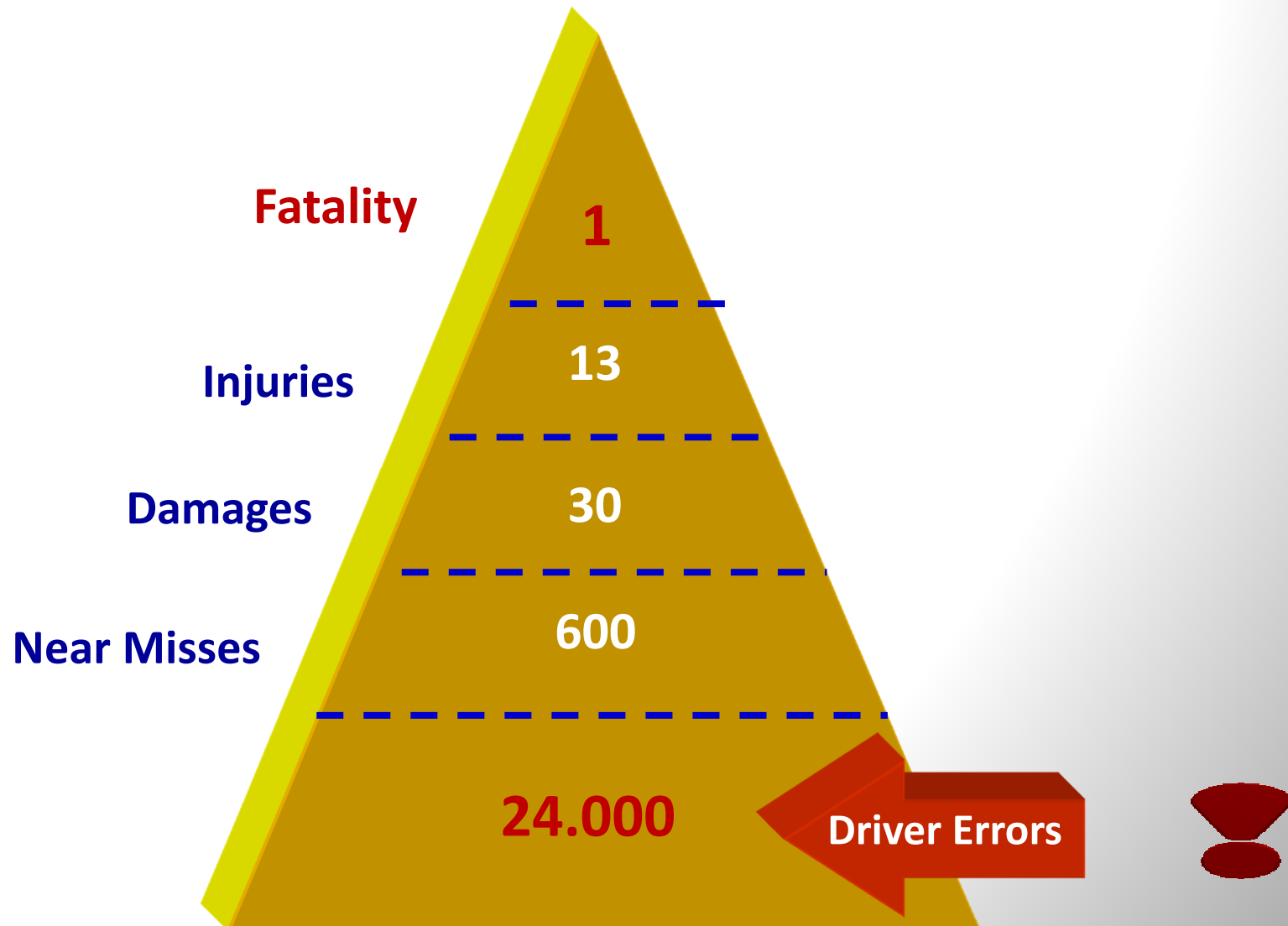
Road Safety Forum 2013

Bulgaria (Jan. - November 2013)

- 6179 Serious Road Accidents
- 528 Fatalities
- 7840 Injuries

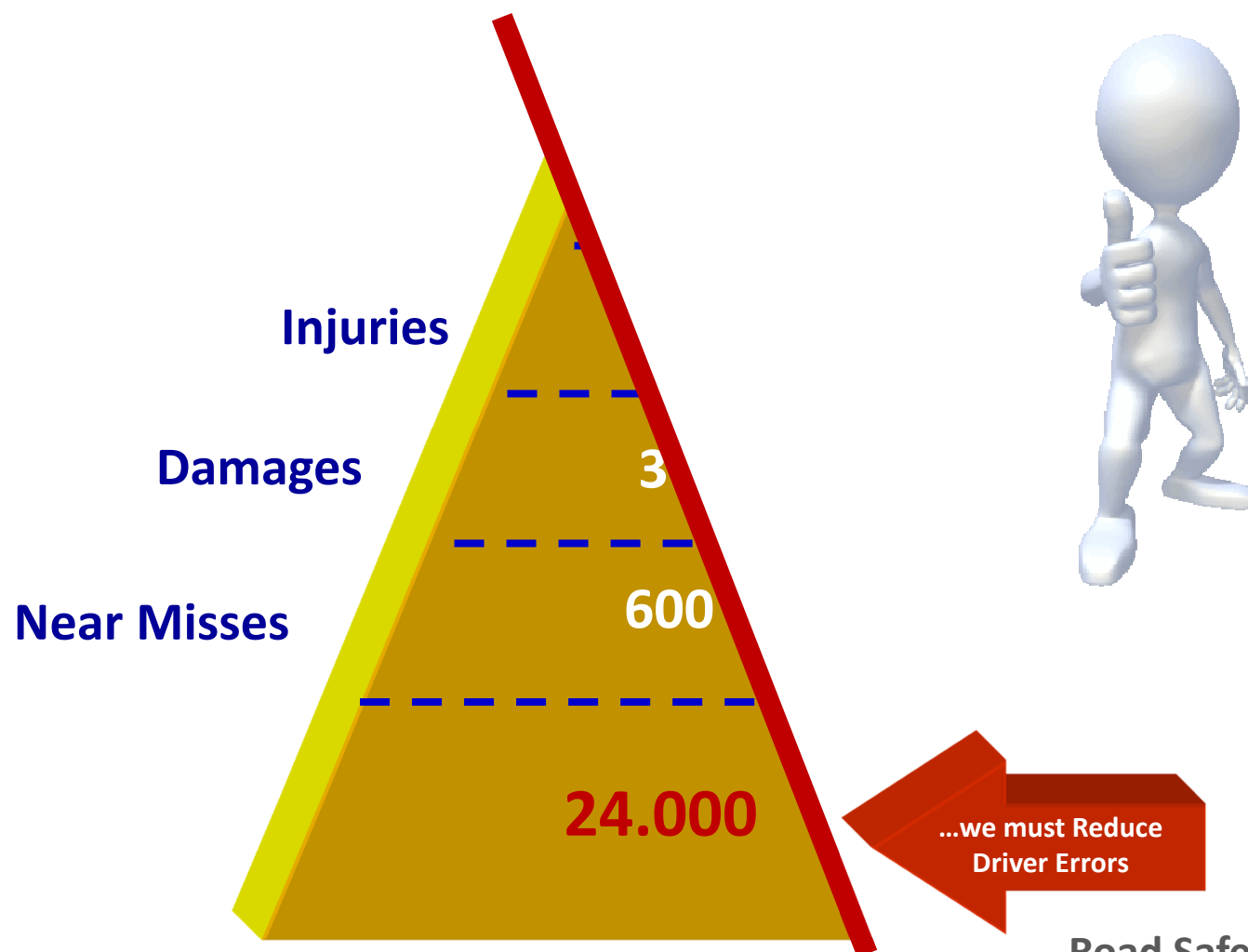


For Every 1 Fatality...



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To Reduce and Prevent Road Related Fatalities...



Road Safety Forum 2013

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Is it Possible to Reduce and Prevent Road Related Accidents?



Yes it is !

A Road Safety System

**A Holistic Approach
to Providing a Proactive Solution
that Effects Change
and Brings Measurable Results**



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A Road Safety System

A Holistic Approach to Providing a Solution

The 3 P's

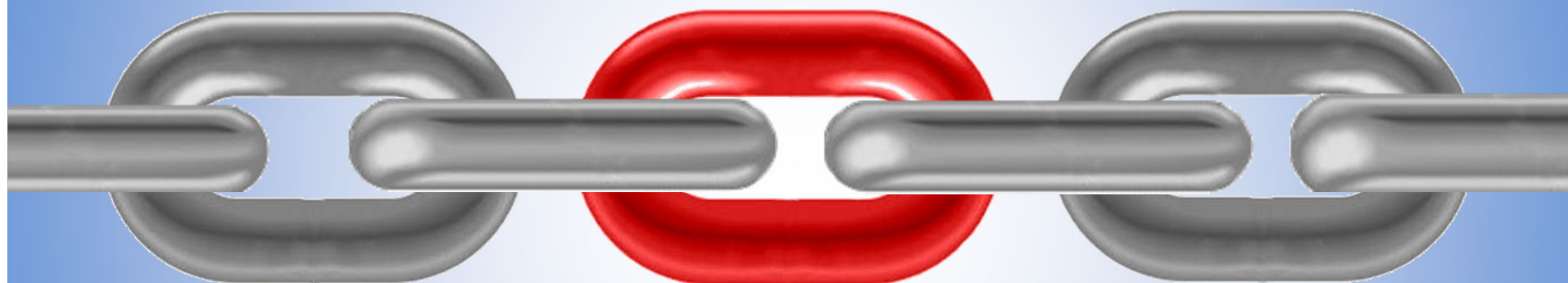
- ➔ Policies
- ➔ Procedures
- ➔ Programs



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A Road Safety System

A Holistic Approach to Providing a Solution



Vehicles & Equipment

Policies & Procedures

- **Human Resources**
- **Behaviours**
- **Skills**

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...A Chain is as Strong as...



Its Weakest Link.

Benefits for the Driver

- Reduces the risk of Fatality by 40 %
- Reduces the risk of involvement in any other accident by 10 - 15%
- Reduces the risk factor of involvement in a hazardous situation
- Ensures a Safe journey for passengers
- Reduces Stress factor



Benefits for the Company

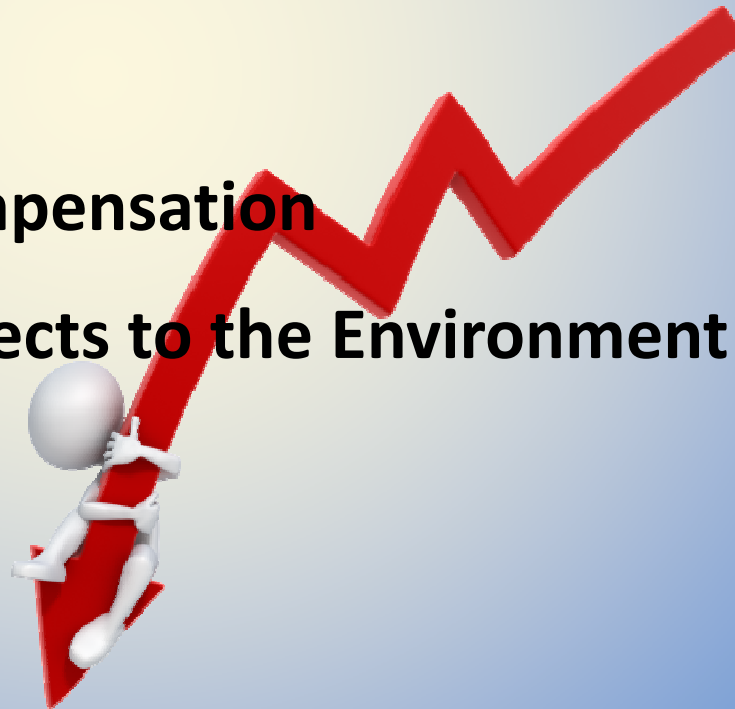
- Employees fulfill 100 % of their duties
- Reduced accidents by 15 % average
- Reduced lost work time
- Reduced vehicle downtime
- Reduced vehicle maintenance and tire replacement expenses
- Reduced fuel consumption
- Reduced insurance policy cost

Reduced Operational Costs



Benefits for Society

- **Reduced Accident Fatalities**
 - Each fatality costs approximately 1.600.000 €
 - Annual cost to Bulgaria is approximately 1.000.000.000 €
- **Reduced Injuries**
- **Reduced Cost of Compensation**
- **Reduced Adverse Effects to the Environment**





Who We Are

Quality & Safety Ltd.



Certification/Accreditation



ISO 9001 : 2008

- Provision of Training Services for Light and Heavy Vehicle Drivers
- Service Provider for Periodical Technical Vehicle Safety Inspections
- Issue of Safe Pass Certification



IAM FLEET UK



CERTIFIED
PROFIDRIVE
TRAINERS



TEST & TRAINING
AUSTRIA



Official Training Center



MPQC UK (Mineral Products Qualification Council)

Quality & Safety Ltd.

◆ **12 Years**

◆ **6 Countries**

- Greece
- Cyprus
- Bulgaria
- FYROM
- Turkey
- Albania

◆ **20000 Drivers**



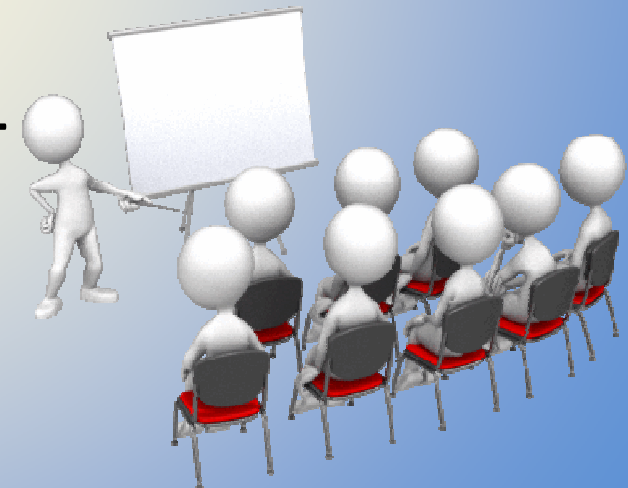


What We Do

Quality & Safety Ltd.

Policy and Procedure

- **Provide consulting expertise and assistance in drafting a Corporate Road Safety Policy**
- **Provide programs and services to ensure that procedures are implemented and followed according to a corporate Road Safety Advisory**
- **Prepare companies to receive ISO 39001 Certification for Road Safety**



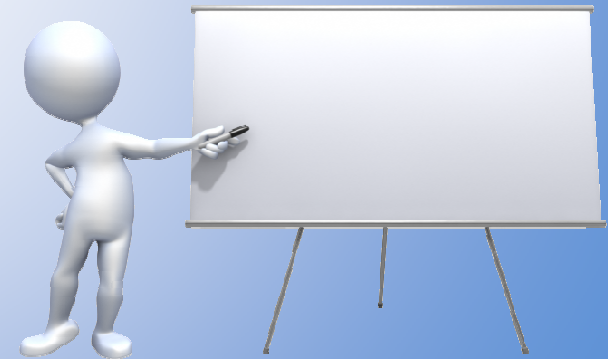
Training Programs and Services

Primary Road Safety Training Programs

- Defensive Driving (Modules 1-2-3-4-5)
- Eco Driving
- Anti-Skid / Anti-Rollover Heavy Vehicles
- Anti-Skid Light Vehicles
- Encouraging a Road Safety Culture (for Management)
- Safety Awareness
- Safety for Plant and Excavation Vehicle Operation
- Safety for Forklift Operation
- Contemporary Vehicle Breaking Systems
- Handling Electronic Tachographs

Safety Training Programs

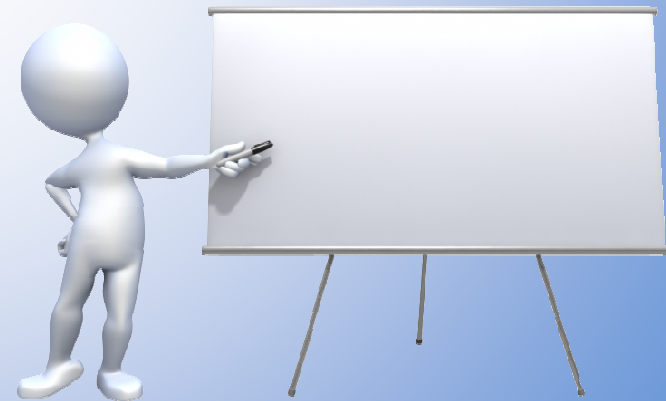
- Safety on the Job



Training Programs and Services

Services

- Route Risk Assessments
- Accident Root Cause Analysis
- Mystery Follower (Assurance Process)
- Safe Pass -Technical Vehicle Inspections
- Road Safety Awareness Building Programs
- Video Production “Safety-Golden Rules”



Defensive Driving Training Program

Main Topics

- Building Safety Awareness and Responsibility
- Hazard Identification and Avoidance Techniques
- Identification and Improvement of Drivers' Weaknesses regarding Skills and Behaviors
- Reaction Time
- Stopping Distance
- Understanding and Controlling Speed
- Driver Distraction (Dangers, How to Minimize)
- Creating a Safe Driving Environment
- Drivers' Limits and Competency
- Grip Limits
- Anxiety Reduction
- Eco Driving
- Factors that Influence Drivers' Health and Competency



Defensive Driving Training Program

Trainer's Assessment of Candidate

The assessment covers **11** categories and **51** specific elements on which the candidate is evaluated in terms of **risk** (High, Medium, Low)

11 Categories:

- Use of Vehicle Controls
- Driver Distraction
- Observation
- Anticipation / Avoidance
- Hazard Management
- Vehicle Positioning on the Road
- Use of Signals
- Use of Mirrors
- Behavior
- Maneuvering
- Maintaining a Safety Distance



Anti-Skid Training Program

- **Anti - Skid**
 - Hazard Perception/Identification
 - Stopping Distances (Dry & Wet)
 - Panic Breaking and Vehicle Control Techniques on Dry and Wet Road Surfaces (high and low grip conditions)
 - Obstacle Avoidance in low grip conditions.
 - Panic Breaking at 30 KM /hour and at 60 KM/hour in low grip conditions
 - Breaking in mixed grip conditions (half dry, half wet)
 - Oversteering & Understeering



Anti-Rollover Training Program

- **Anti-Rollover**
 - **Hazard Perception/ Identification**
 - **Road Surface Conditions and Rollovers**
 - **Why Rollovers Occur**
 - **Proper Loading and Vehicle Performance**
 - **Safety when Negotiating Turns**
 - **Obstacle Avoidance**



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Safe Pass

Periodical Vehicle Inspections



Periodical Vehicle Inspections

Objective

➔ To reduce accident risk due to:

- Missing components / parts
- Damage
- Malfunctioning equipment

➔ To provide an assurance process for the proper maintenance according to the technical standards of the vehicle



Web Data Base

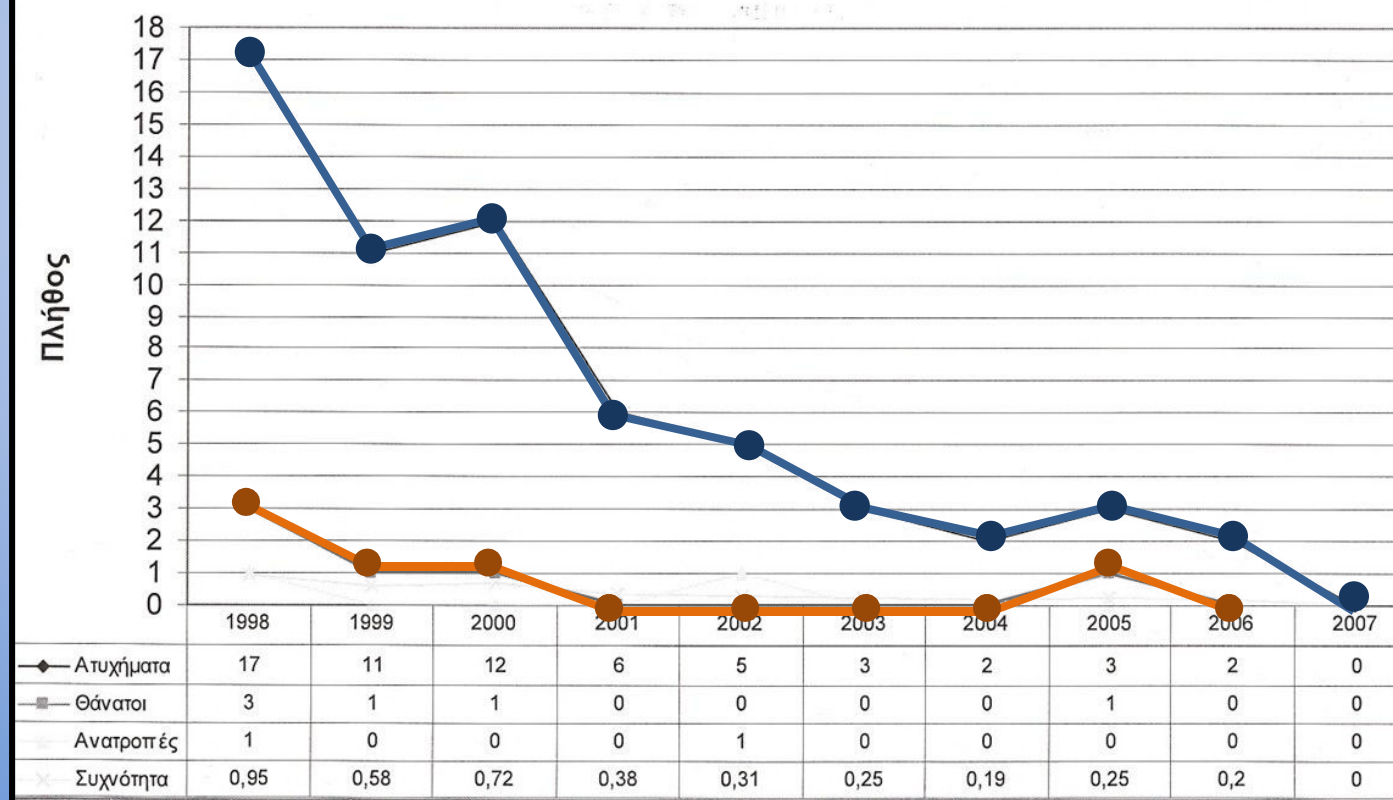
Quality & Safety maintains all Driver Training Information and Safe Pass Vehicle Information on a Web Data Base.

Clients have access only to the information regarding their own drivers and/or vehicles via unique username and password.



Q&S Results of a Company that Implements a Road Safety System

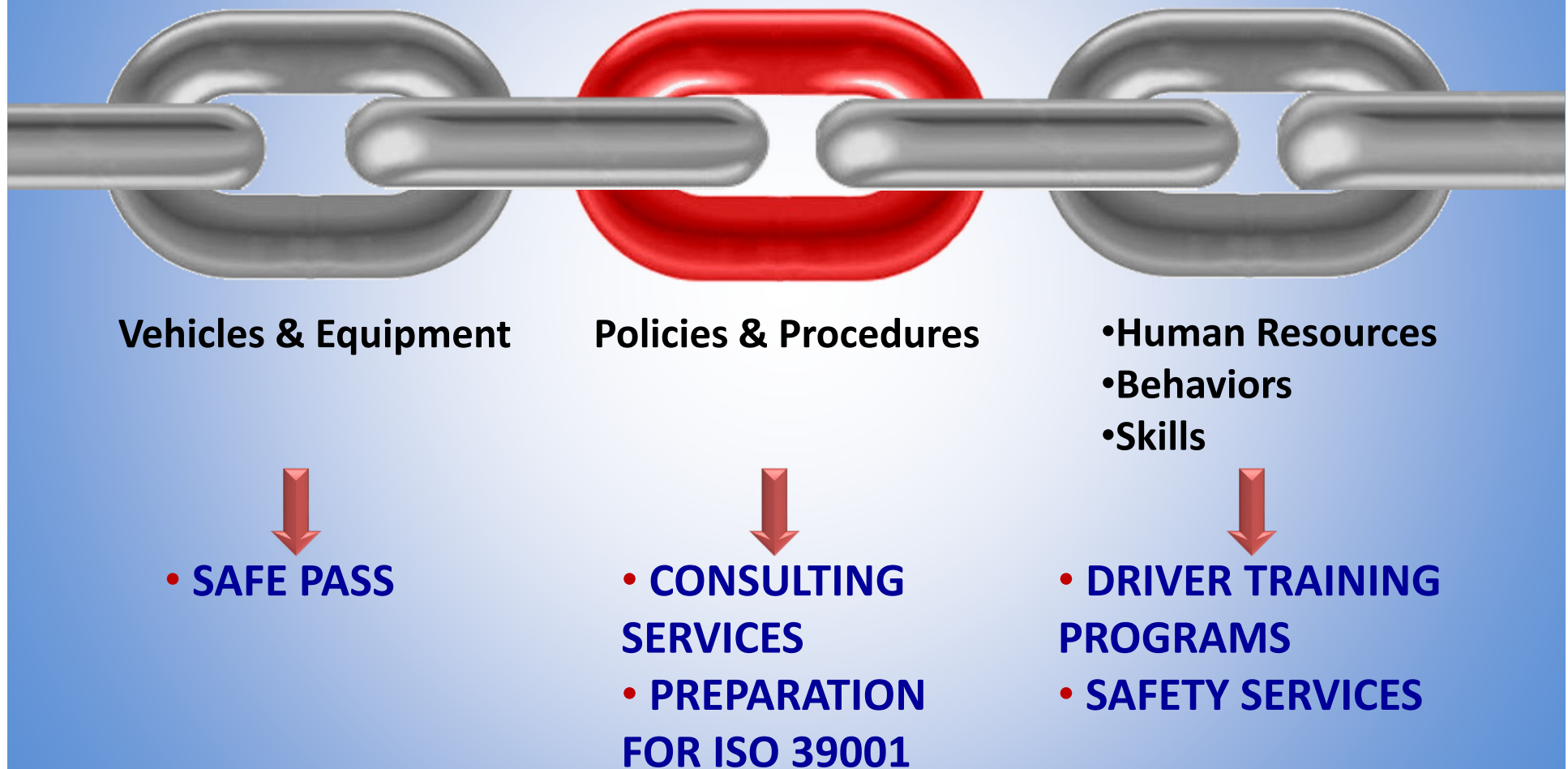
Case study: Απόδοση σε θέματα Οδικής Ασφάλειας 1998 - 2007



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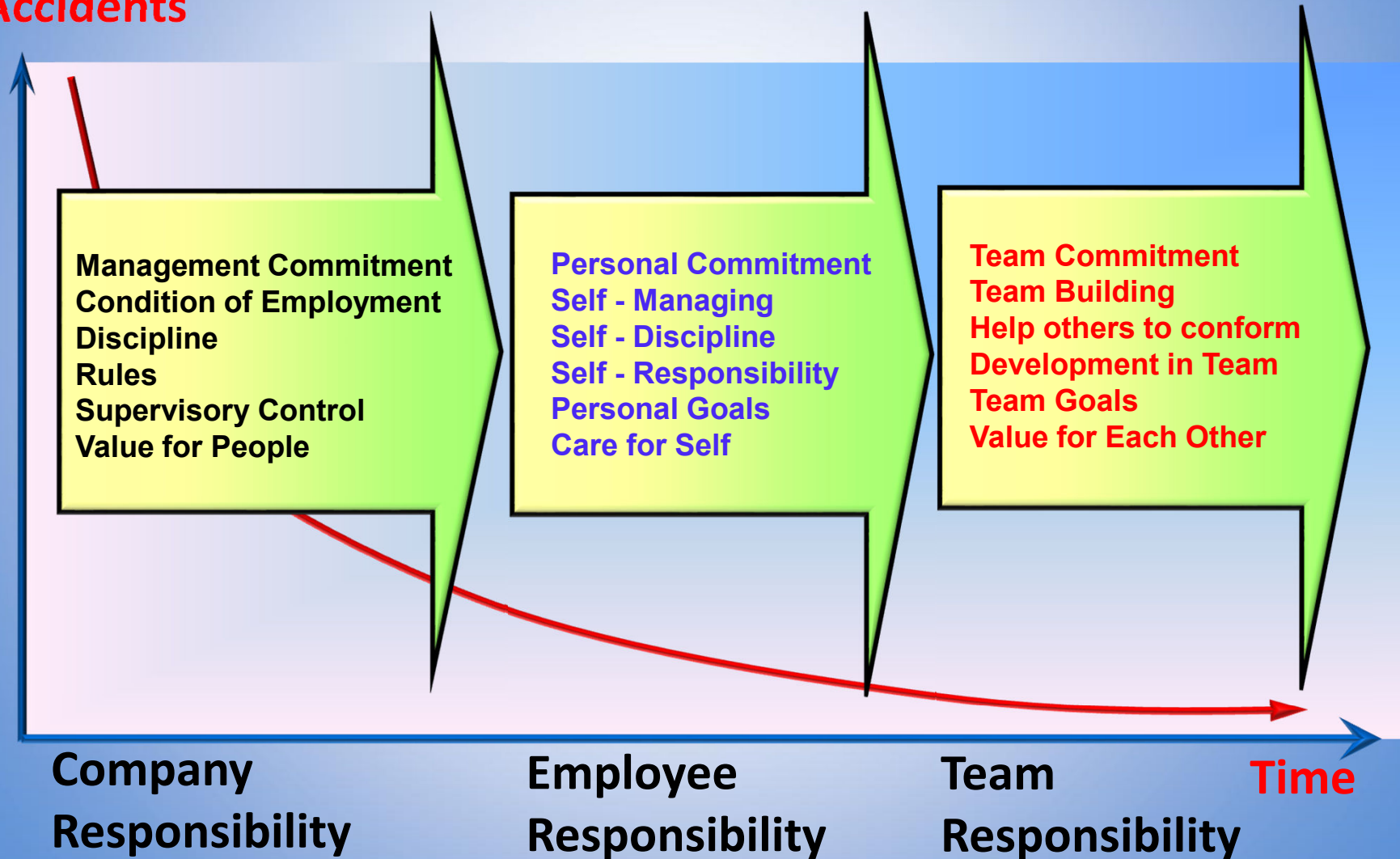
A Road Safety System

A Holistic Approach to Providing a Solution



Q&S The Final Element Necessary for a Successful Road Safety System ...

Accidents





**What Road Safety
Specialists
Recognize Worldwide**



**95% of all road related accidents
are due to human error.**

**The systematic implementation of properly designed
Road Safety Training Programs and Procedures
ensures the safety of your drivers
as well as the safety
of all road users.**



**Road Safety is a Responsibility
that We All Share**

**It Begins With
Your Commitment
Today.**

Thank you for your attention

Quality & Safety Ltd.