

RIFLESSOMETRO[®]

HUMAN | REFLEX | SYSTEM

RIFLESSOMETRO



A TOUCH, HELPS SAVE YOUR LIFE





MULTIFUNCTIONAL SAFETY DEVICE FOR THE DETECTION OF TIREDNESS AND PSYCHOPHYSICS SUITABILITY



MOTOR VEHICLES-TRAINS-SHIPS-PLANES

AREAS OF USE

WELLNESS

WORK

SPORT

DRIVING SCHOOL

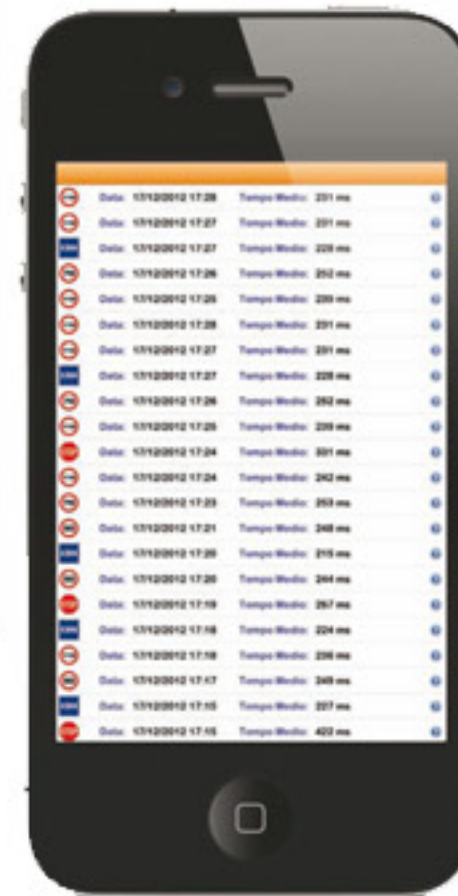
EDUCATION



DEVICES



A first-person perspective of driving a car on a road during sunset or sunrise. The driver's hands are on the steering wheel, and the dashboard with the speedometer is visible. The road ahead is blurred, and the sky is filled with soft, golden light.



THE VEHICLE
CAN BE RUN

CDS 110 90 70

3 ATTEMPTS

In case of negative result, the test can be retaken up to three times.

3 NEGATIVE RESULTS

**THE VEHICLE
CANNOT BE RUN**



APPLICATIONS



VEHICLES





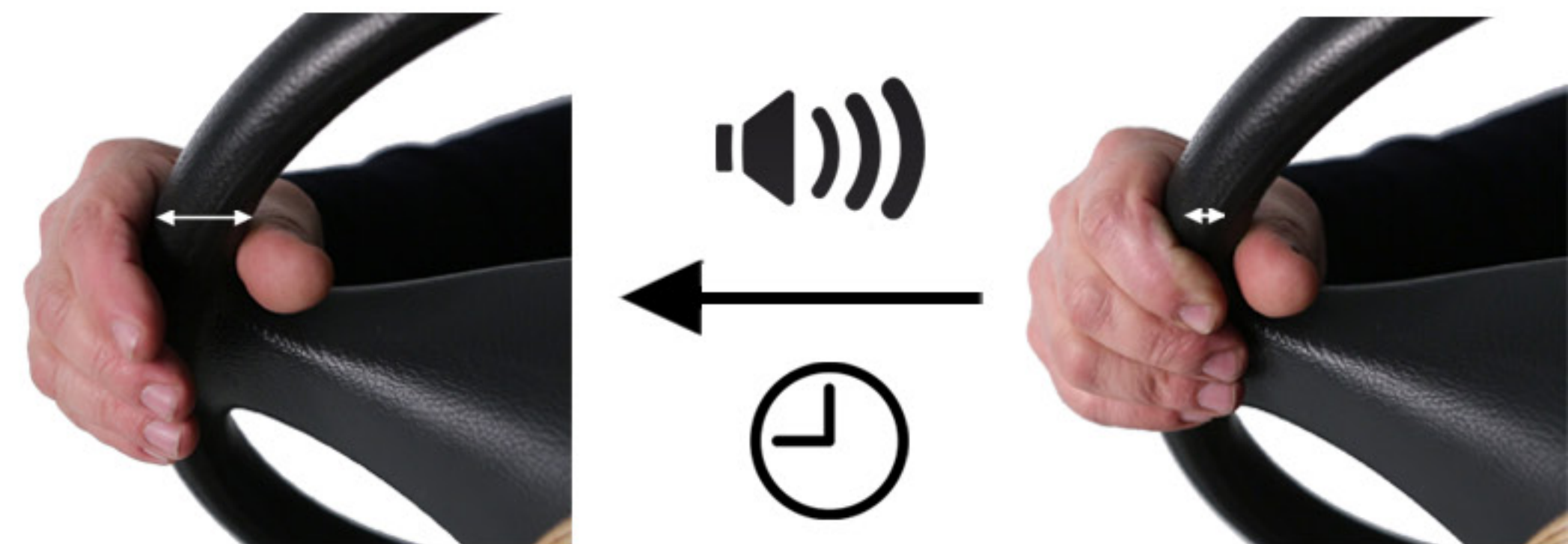
TIREDNESS RECOGNITION SYSTEM WHILE DRIVING



DETECTOR OF TIREDNESS WHILE DRIVING

The sensors are on the circumference of the steering wheel.

With the increase of tiredness, the hand tends to open, there is less contact on the steering wheel, the driver is thus alerted by an acoustic/visual signal





SAFETY AT WORK

TESTS YOUR REFLEXES



POSITIVE RESULT



THE DEVICE/MAN
BEGINS TO WORK

RESULTS ARCHIVE

+

DATABASE



3 ATTEMPTS

In case of negative result, the test can be retaken up to three times.



3 NEGATIVE RESULTS



SUITABLE FOR ANY DANGEROUS WORK





ANY SPORTS ACTIVITY





DRIVING SCHOOL AND EDUCATION

FOR A PROPER **EDUCATION**
AND **LEARNING**
BASED ON THE **ABILITY**
AND **PSYCHOPHYSICS**
SUITABILITY.





WELLNESS

FOR PROPER
WELLNESS
AND LIFESTYLE





NEEDS PERCEIVED BY THE MARKET



It has been estimated that in 2011, 49.209.701 vehicles were in circulation in Italy, and 205.638 road accidents involving injury to persons occurred, 3.860 dead and 292.019 wounded were recorded. The main causes were: tiredness, the use of drugs or alcohol and high speed.

<http://www.aci.it/fileadmin/documenti/studiIncidentiStradali.pdf>



The report on road safety in Europe for the decade 2011-2020 was voted in the plenary, renewing the goal of reducing by 50% the number of victims within 2020. The report states: "it is necessary to introduce in the legislation the use of automated systems that analyze the psychophysical state of the driver and that intervene at ignition of the vehicle, preventing it in case of alcohol or drugs abuse. This is the so-called alcohol lock system. "

<http://www.europarl.europa.eu/sides/getDoc.do?pubRef=-//EP//TEXT+REPORT+A7-2011-0264+0+DOC+XML+V0//EN>



The ONU for the "Decade of Action for Road Safety 2011-2020, together we can save millions of lives" recognizes the fundamental importance that road safety represents for society, promotes action to encourage the adoption of prompt and effective measures for the prevention of drinking and driving.

<http://www.omniauto.it/magazine/11474/2011-2020-onu-decennio-sicurezza-stradale>

FUNCTIONS THAT CAN BE IMPLEMENTED



VEHICLE SPEED LIMITATION: based on the result of psychophysics test.

DRIVING ASSISTANCE: it prevents the misuse of mobile phone, incorrect driving, tiredness while driving, speed limit excess.



PEDESTRIAN CROSSINGS ASSISTANCE: detects people crossing the road and warns the driver.



PRECEEDING VEHICLES ASSISTANCE: notifies the distance of the vehicle ahead and eventual slowdown of the same.



SPEED LIMITS ASSISTANCE: informs the driver of the speed limit, and eventual excesses of it.



CROSS TRAFFIC SUPPORT: notifies the approaching to a traffic light junction.



DRIVING ASSISTANCE WITH FOG: displays the road you are traveling on and the position of vehicles, pedestrians, obstacles.



PENALTY SYSTEM: possible use as control system able to inform the relevant authorities in the event of incorrect driving and/or speed limits excess, allowing them to automatically generate a ticket, replacing the systems in use (camera, tutor, etc.).

ALL FUNCTIONAL CHARACTERISTICS ARE DEFINED ACCORDING TO THE PSYCHOPHYSICS TEST RESULTS.

COMPETITION



Nowadays, the only competitor of the RIFLESSOMETRO is the breathalyzer used by police to measure blood alcohol level of the driver and by many companies to monitor employees.

The breathalyzer, however, is not an instrument capable of giving accurate and true measurements. It has been repeatedly demonstrated that its measurements may be inaccurate up to 30%. Moreover it only detects the abuse of alcohol, but not of drugs nor of all those factors that affect psychomotor performance of the driver which are among the main causes of fatal accidents (tiredness, drugs, etc..).



<http://www.asaps.it/showpage.php?id=31800&categoria=News&pubblicazione=05.03.2011>



BUSINESS MODEL

MOTOR VEHICLES-TRAINS-SHIPS-PLANES

WELLNESS

WORK

SPORT

DRIVING SCHOOL

EDUCATION

**AGREEMENTS WITH COMPANIES
(public and private)
FOR THE IMPLEMENTATION OF
THE 'RIFLESSOMETRO'
AND ITS USE EITHER VOLUNTARY
OR REQUIRED BY LAW.**

THE TEAM



GIORGIO MARCON

56 years old, security systems specialist, researcher, inventor, technical coordinator of the National Coordination for Safety at 360° and technical consultant National Consumers Union. Awarded with the silver plaque by O.N.P.S. for "The culture of legality and security, which are indispensable conditions for development and also to fight all forms of oppression and violence."



MAURO MARCON

31 years old, ten years of experience in the administration and security of computer systems. He deals with the administration of UNIX systems, Web development and applications for mobile devices.





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