

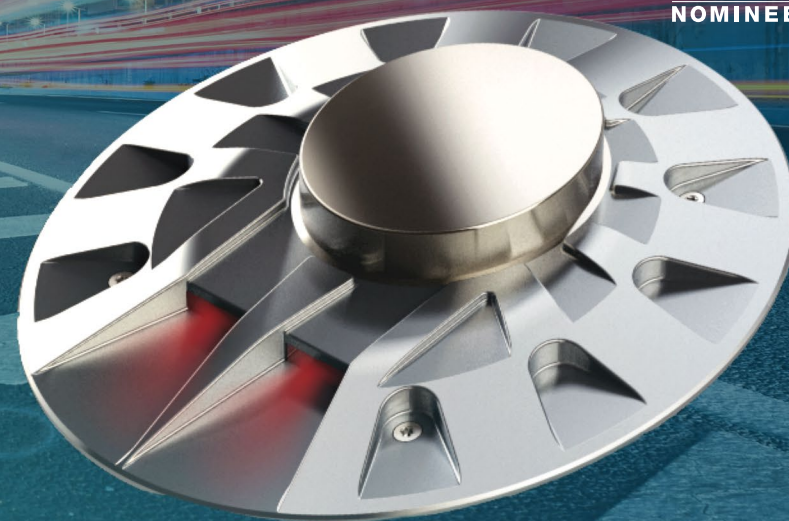
SERNIS

THIS TIME WE
TOOK INNOVATION TO THE
NEXT  **LEVEL**

 **R-90**

Intelligent System for Physical Speed Reduction

Intertraffic
INNOVATION AWARD
2018
NOMINEE



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NORTE2020

**PORTUGAL
2020**



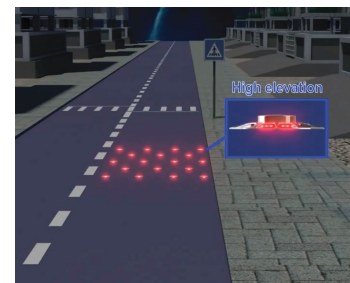
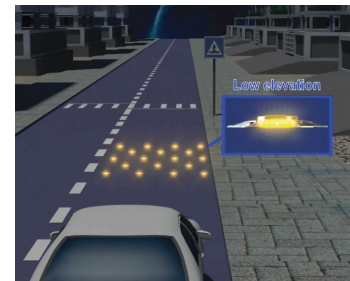


Intelligent System for Physical Speed Reduction

The innovation

If the car passes the speed radar above the speed limit, the road studs will have a low elevation of its original position, the yellow LEDs will be activated and the car will feel a low vibration while passing the road studs.

If the car passes the speed radar far above the speed limit, the road studs will have a high elevation of its original position, the red LEDs will be activated and the car will feel a high vibration while passing the road studs.



SR-90 is an intelligent system for physical speed reduction of vehicles in controlled speed zones.

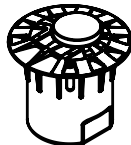
It is a Hardwired Road Stud with two levels of signaling LED and relative elevation from the soil controlled electronically, using the principle of magnetic levitation.

The system has a speed meter installed that will activate the road studs.

If the car passes the speed radar under the speed limit, the road studs will stay in the same position and the car will not feel vibration while passing the road studs.



Speed reduction
of vehicles in
controlled
speed zones



Hardwired road stud
with 2 colors of
signaling LED



Hardwired road
stud with two
levels of
elevation -

SR-90 system warn
drivers for the need to
reduce the speed to
prevent accidents

