



Money saving and sustainability on the road with a vehicle that makes guardrail cleaning easier

LOCATION: Málaga

DURATION: 1'35"

SUMMARY: Entrepreneurs from Málaga have designed and patented a vehicle which would take care of the cleaning and comprehensive maintenance of guardrails, whose current maintenance consists of replacing them. According to Garbionda's team, this new system saves money, improves safety on the road, and reduces the environmental impact caused by the manufacturing of these objects.

VTR:

This is a guardrail piece which hasn't been cleaned and this is the result after using a device invented and patented in Málaga. Until now, the maintenance of these elements consisted of replacing them, but thanks to the vehicle designed by these entrepreneurs, now guardrails can be just cleaned.

Oscar Pereira
Manager of Garbionda

"Over 80% of the infrastructure we are replacing is in perfect condition in terms of shape but not preservation. A machine can take care of the comprehensive maintenance of this infrastructure."

It also benefits drivers, improving their visibility and avoiding road closings.

Oscar Pereira
Manager of Garbionda

"Using this maintenance system we don't need to close road lanes."

But according to these entrepreneurs, the most important benefits are a reduction of 26 tons of CO2 emission, the saving of 2 million litres of waste water produced in the manufacturing of a kilometre of guardrail, the creation of 50 jobs for every 2 thousand kilometres and saving costs.

Ignacio Hernández
Marketing Director
Garbionda

"We are talking about a percentage basing on what is currently being done, the replacement policy, public administrations would save over 82%."

That's why public administrations have shown interest in this device.

Lorena Lara
Lawyer at Garbionda

"The Provincial Government of Málaga, the Andalusian Government, I mean the Public Works Department within the Andalusian Government. In Madrid of course, in the Public Works Department, in the Roads Department and the DGT. These institutions are very interested and looking forward to see this machine work on the road."

The project is in R&D development phase and they are working on the construction of the first prototype.

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