

No more aquaplaning: this system splits pools like Moses the Red Sea

ad.nl/auto/nooit-meer-aquaplaning-dit-systeem-splijt-plassen-zoals-mozes-de-rode-zee~ac044170

A new system co-developed by Bosch is designed to prevent aquaplaning accidents. It works with 5G technology and a water pump that 'splits' pools.

It is not known how many fatal accidents are caused by aquaplaning each year. This is mainly because many such accidents are dismissed in police reports with the sentence: "The victim has lost control of the wheel for unknown reasons."

In any case, the fact is that aquaplaning is life-threatening. Anyone who has ever felt the tires of their car starting to slip on a wet road knows how unsafe it feels. The phenomenon occurs when the tires start to 'float' on the water on the road. This may be due to excessive speed or tires with little tread.



Sprinkler

Because in extreme weather it can already take place at around 80 kilometers per hour - even with new tires - manufacturers are keen to find a solution for aquaplaning. Because ABS and ESP are of no use if your tires no longer have grip. That solution is called

'Easyrain'. In this case, a sprinkler is placed in front of each of the front wheels, which breaks through the surface tension of a puddle with a directed water jet and thus prevents aquaplaning.

The question that remains is how the mouthpiece should know exactly when to act. And this is where 5G comes into play, because that technology responds within a millisecond, whereas 4G needs up to 98 milliseconds. The control system brings together information from the vehicle, from the sensors themselves, the tires and the road.

5G connection

The 5G connection allows the system to remain extremely compact and to be installed in any type of vehicle. The nozzles are located in the front bumper and use the water supply from the windshield wiper system. It is currently being tested with an Audi A6. Audi, Fiat-Chrysler, Renault and McLaren have already shown interest.

More accidents caused by cars speeding too fast

The number of road accidents has decreased drastically last year. But surprisingly, the number of injuries and road deaths has not decreased.