

## **A more reliable system against fire uses a smoke sensor that avoids false alarms**

**LOCATION:** Palos de la Frontera, Huelva

**DURATION:** 1'17"

**Summary:** Scientists from the Electronic Systems and Mechatronics Department of the University of Huelva have developed this new system. Thanks to its five sensors (one for smoke, one for carbon monoxide, and three for temperatures) false fire alarms caused by steam or when starting your car in the garage can be avoided. The detector, developed with the collaboration of the company Ontech Security, will enter the market in 2016.

### **VTR:**

Scientists from the University of Huelva have created a new system for detecting fires at home. This avoids unnecessary scares.

**JUAN A. GÓMEZ GALÁN**

**Researcher**

*"One of the goals of this project was to precisely reduce false alarms".*

This is the detector. Small sized, its design makes it go unnoticed. The conventional systems have only one smoke sensor. This one has five: one for smoke, three for temperatures, and one for carbon monoxide. That's why this fire alarm will be faster and more trustworthy.

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*"So in this way if someone is smoking at home, in the bathroom, using the hairdryer, or if it is steamy, they can avoid setting off the fire alarm. It even works in the garage with the fumes from the car".*

It works without wires, and the Electronic Systems and Mechatronics Department of the University of Huelva have developed it in collaboration with the company Ontech Security.

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*"With only one battery in the device it has a lifetime of almost five years. It has also been designed with a cell phone app, which works for iPhones and Androids, so that the user can receive word of an alarm in real time".*

Going through the last tests, it is expected that this more trustworthy system for detecting fires will arrive in the market in 2016.

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