



Phones that double their battery endurance are nearing reality thanks to an Andalusian prototype

LOCATION: Cordova

DURATION: 1'42"

SUMMARY: Scientists from the University of Cordova have created lithium and sulphur batteries to increase the autonomy of mobile phones and other electronic devices. This technology could also be applied to electric cars, which could even multiply their autonomy by three.

VTR:

AMBIENCE: "I have to go, the phone has beeped so I am running out of battery, ok?"

Situations like this happen to us very often. The batteries of our electronic devices don't last as much as we would like. That's why a team of researchers from the University of Cordova, in collaboration with La Sapienza University of Rome, have created an experimental battery using sulphur and lithium that improves their endurance.

Julián Morales
Professor from the UCO

"They have a higher capacity so, consequently, they store more energy than the conventional lithium-ion batteries that mobile devices currently have."

This work offers more innovative aspects than other research lines that are currently being developed. That's why it could have a higher international impact.

Noelia Moreno
Researcher of the UCO

"Research groups usually focus on one of the components of the battery. In this case, we have managed to improve almost every component of the battery."

The new batteries could also be installed in electric cars. Tests ran with prototypes suggest that it could multiply by three their autonomy.

Álvaro Palomino
Professor from the UCO

"The batteries that are currently installed in electric cars don't last more than 200 kilometres. With our battery, we could make them work for up to 600 kilometres."

Despite it is still too early to talk about dates, these researchers estimate that this product could arrive on the market sooner than expected.

Julián Morales
Professor from the UCO

"I think that, probably, these results could be applied in two or three years."

Because the main goal of these researchers is to save our phones from a certain death.

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