

'Portable Sign Language Translator': Automated translation of sign language into text is now a reality

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Imagine holding your smartphone at someone using sign language and then their words start scrolling across the screen.

which can be read by the person they are conversing with."

That is exactly what computing scientists at Technabling Ltd, a spin-off company of the University of Aberdeen, are working towards, as those attending a free public talk taking place in the city next Wednesday (October 10) will learn.

Provided by University of Aberdeen

The [software application](#) being developed by is the first of its kind in the world which can be used on portable devices and allows users to customise sign language to their own specific needs.

The technology has the potential to transform how sign language users communicate, whether they are profoundly deaf or have lost hearing in later life.

A dedicated team at Technabling, which is composed of [software engineers](#) and [British Sign Language](#) users, are behind the technology which aims to bridge the [gap](#) between sign language and more standard forms of communication.

One of its main focuses is to help young deaf people gain employment opportunities.

Dr Ernesto Compatangelo, who is also a founder of Technabling, said: "The aim of the technology known as the Portable Sign language Translator (PSLT) is to empower [sign language users](#) by enabling them to overcome communication challenges through portable technology.

"The user signs into a standard camera integrated into a laptop, netbook, Smartphone or other portable device such as a tablet.

"Their signs are immediately translated into text

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