CERN NEWS

IDEAS CHANGING THE WORLD

INNO – VISI N:
A BREAKTHROUGH IN TECHNOLOGY FOR THE VISUALLY IMPAIRED

Device enables perception through neuro-transmission

A Multi-disciplinary Team of **Design Thinkers** and Scientists discovered a means of communication via brain pathways.

Goal: Empower the visually impaired to feel **connected** to their environment and develop a **sense of belonging**.

A **Virtual Sensory Neurotransmitter (VSN)** captures the surroundings and sends **neuro-signals to the brain** allowing the visually impaired a mode of communication for body motion and ease of navigation.

The neuro-signals to the brain provides perception of the environment and sends instructions to the body parts to initiate motion. Customers can undertake normal tasks such as supermarket shopping for the very first time.

Before this technology, the visually impaired feel detached, insecure and dependent on use of aids. This technology is discrete, sophisticated yet easy to use, to create a sense of belonging for our customers.

"This device has transformed my life. I feel more autonomous and connected to my environment."