

UNLIMITED POSSIBILITIES

Applications for a new haptic sense of orientation

Understanding having a new sense is hard simply because we've never had it before. Imagine trying to describe music to someone who has never heard a sound, or how useful sound is to everyday tasks like answering the phone, hearing an oncoming car, or playing an instrument. When we add a new sense we don't just get a static new input, we get a new ability that affects so many other parts of our lives, just like our other senses.



Now imagine having a new sense of orientation communicated to you through haptics, think about how this enhanced ability could benefit how you navigate in the real and digital world. Sentero does just that, using innovative haptic technology to connect you to the magnetic field of the planet so you can orientate yourself on a global (and even interstellar) level. The ability to feel heartbeats and communicate haptic emotions in real-time also opens up new ways of connecting with people and socialising.

We're only at the beginning of the journey, here we explore some of the potential ways a new haptic sense of orientation could benefit different areas of your life, but really the possibilities are endless. These are some starting thoughts but we know that when people begin using Sentero their experiences and creativity will open up unlimited new possibilities!

ASSISTIVE HEALTH

Sentero will use sensory enhancement as assistive technology for people with sensory impairments, or who are neurodivergent, who may find it difficult to navigate without the additional help of a carer or navigational device. With Sentero the ability to sense the cardinal directions (north, south) through vibrations will assist them to navigate more easily without having to stop and take out their phone or compass, and haptic connection to loved ones will also promote feelings of safety and wellbeing while doing so.



VR / AR

VR and AR are amazing new technologies which create awesome experiences, but wearers tend to get disorientated which disrupts the experience - answer - add in a sense of orientation. Connect the real world with the digital through your Sentero, allowing you to navigate virtual spaces while staying grounded.

GAMING

Like VR, Sentero will highly benefit gaming by enhancing the wearers sense of orientation in the virtual world. Sense targets or important locations in the game so you can navigate to them more easily, and connect to other players or virtual characters using haptic emojis which add to your experience of the storyline. Need to find a Pokemon - sense it!



MUSIC AND CREATIVE

The music and creative industries are all about creating new experiences based on emotions and connections, adding a layer of haptics will only intensify the experience. Imagine feeling your idols heartbeat while you watch them play live, or experience the haptic emotions of an artist while you view their artwork. Let's get creative, imagine the possibilities for completely new and unique work to be created inspired by your new sense!



FITNESS & BRAIN TRAINING

Fitness of the body and mind is so key to our lives but with classes becoming ever more digital the sense of connection can be lost. With Sentero you will be able to feel the heartbeat of your remote trainer, use biofeedback to adjust your workout intensity and guide your breathing through meditation classes.

SOCIAL INTERACTION

Normally we can only touch people within our arms reach, with Sentero you can extend your sensory reach to people and places anywhere in the world. With accessible travel we end up spending large amounts of time away from the people we care about, with Sentero you can stay connected always. Feel the heartbeat of your sister who moved away, or let your parents know you are doing ok at university by sending them a haptic emoji.

TRAVEL

When you travel to a country or city you don't want to be constantly staring at your phone to see where to go. With Sentero you can choose a destination and intuitively make your way there while leaving your eyes and ears free to experience the new wonders around you. Or if you're feeling home sick, sense your home or family to feel connected while you are far from them.



EXTREME SPORTS

Extreme sports are a full body experience where every part of you has a dedicated function to achieve your goals - the last thing you want is to stop and check your direction. Sentero provides huge benefits for sports like sailing, mountain climbing, skiing, running and swimming, directing you while leaving you free to fully concentrate on your performance.

HUMAN NATURE, US ALL

Technology has given us so many new opportunities but it feels like it is taking us away from each other and closer to the actual devices. Sentero aims to change this, it is about the direct experience of the orientational information, the direct experience of your distant loved ones emotions and the direct experience of the activity you are currently doing. By enhancing humans, instead of your device, you are the one who gains a new sense of orientation and all the abilities that come with it.





With Sentero you are not just being directed somewhere, your brain is learning to perceive space and orientation in a heightened way.

You will connect new memories and experiences to haptic orientation and even create new technologies and systems that utilise this new sense. We don't always realise how important orientation is in our world today - it's about where we are, where we have been and where we want to go - the ability for your body and mind to learn how to get there intuitively is nothing short of badass.

Love CyborgNest x