

## TrekAce® CORE – The 4D Situational Awareness

### The TrekAce® Core – a Wearable tactile ROBOTIC sleeve – The Ultimate Situational Awareness Technology for Warfighters!

The TrekAce® Core is an ergonomic wearable tactile robotic sleeve, used by the world's best Special Forces and conventional armies.

The Core allows the Operators to perform better in harsh stressful settings while in operational navigation, formation, parachuting, driving, tactical execution, and in actual firefights.

The Core transforms the traditional forms of UI & communication (sound and vision) into an intuitive tactile (**patented**) language, utilizing haptic reception.

This tactile language is the perfect yet mostly unutilized channel for message reception. It compensates for the limitations of the other senses causing Sensual overloads and overlaps, and thereby reduces user's cognitive stress.

The Core's patented structure, layout, and positioning provide the following benefits:

- **Intuitive reception & execution time** ("call for action"), as there is no cognitive processing involved.
- **Positioned on the forearm** permitting ergonomic undisturbed reception (no fat or muscles buffers).
- **Clear message differentiation** by the position of the actuators (enabling wide vocabulary).
- **Unobstructed comfort** (no other wearable devices competing for space).



#### The 4D Situational Awareness Experience

- Instead of seeing a directing arrow or hearing "Right/Left", **feel your path and thus react intuitively and faster to navigation or driving instructions.**
- Instead of trying to assess the actual direction and severity of a threat, **feel the threat's direction and intensity and respond immediately!**
- Instead of compromising your performance by the overlapping senses while receiving verbal instructions from your teammates conjoining with the hectic combat situation, **communicate intuitively & subconsciously thus retaining high cognitive performance!**

## The TrekAce® CORE 3.0



### Technical specifications

<b>Length stretched</b>	12cm
<b>Width stretched</b>	13cm
<b>Weight</b>	120g
<b>Battery</b>	Lithium Ion - 2h charge > 4 days of empiric-operational usage
<b>Communication</b>	Cable only – Communication enabled USB C socket to provide <b>Cyber-safe usage</b> and to comply with information-security restrictions
<b>Temp. Operational</b>	-20°/+60°
<b>Water resistance</b>	IP67
<b>Materials</b>	Silicone
<b>Closing systems</b>	Elastic straps, anti-slip.