



Waypoint navigation

Our waypoint navigation system guides users using gentle vibrations in their shirt. This system is intuitive and discrete, and allows the user to pay full attention to the environment.

A waypoint navigation route consists of one or more waypoints. The GPS enables the user to navigate to the nearest waypoint, then to the next one until the final destination is reached.

- Direction and distance of waypoint displayed through vibrations
- Keep eyes and ears free, increase situational awareness
- Easy coordination of an action, less individual preparations
- Navigate in action, without map or display
- Follow beacons unnoticed
- Discrete

“Continuous and intuitive guidance”

How it works

Vibrations in the shirt are given in the direction of the next waypoint. These vibration signals are perceived as very intuitive, since the user automatically points his attention in the desired direction. Distance to the waypoint can be distinguished by the number of vibrations. A clear signal is given when the waypoint is reached and the system automatically moves on to the next.

Waypoints, rendezvous points and beacons

The navigation application can be used for guidance to waypoints (linear), guidance back to a rendezvous-point (retreat) or to patrol an area (circular). Waypoints can be a point or a line selected from a map on a smartphone, or we can connect the system to an existing information system that provides coordinates. This way you can even follow a moving beacon of your choice.

Performance increase

The navigation information is transmitted to the user in a discrete way; the information is personal to the user, no visible display is needed. There is no emission of light or sound. The system reduces cognitive load from visual and audio channels, which increases situational awareness of the user.

Facts

- Tested with the Royal Netherlands Army
- Available for Elitac hardware:
 - MNB 2.0 (expected 2017)
 - OPSskin (available now)
 - Custom hardware (requires GPS and compass module)
- Compatible with:
 - Android
 - iOS (on request only)
- API for connecting existing information systems:
 - To monitor position
 - To provide (dynamic) coordinates
- Price: Free *

** In combination with Elitac hardware purchase. No warranties. Technical support is available at cost price. SLA and/or custom work upon request.*