



L I G H T H O U S E

Helping blind and vision impaired people get outside with confidence



Problem

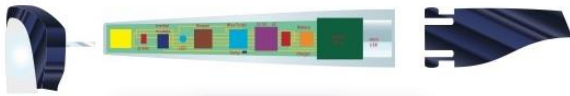
The white cane helps blind and vision impaired people identify obstacles at ground level but it cannot protect users **above the waist**.

Our solution

Lighthouse is an **eyewear frame** equipped with sensors, electronics, and bluetooth embedded in the temples. It protects the user above the waist, ensuring safe travel outdoors by detecting dangerous obstacles and alerting the user. The device is elegant, lightweight, and waterproof.



Time of flight (ToF) sensors in the eyewear detect dangers and alert the user via vibrations on the handle of the white cane. (above: LTH01 alpha, below: a render showing visual layout of electronic components)



Designed for small footprint and low power consumption.



A **vibrating receptor** gives feedback on direction and distance to obstacles and can be fitted to the handle of most white canes available on the market, or on a bracelet



Opportunity

- Currently no market leaders or established incumbents.
- New and differentiated hardware and software platform.
- Large user pool within the blind and vision impaired community.
- Large sales pipeline:
 - Distributors of medical devices & equipment
 - Opticians
 - Eyewear frame manufacturers
 - Blind associations

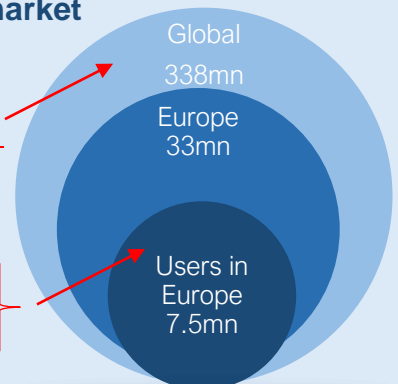
Large and growing market

Global

- 43.3 mn blind + 295 mn moderately to severely vision impaired people in 2020.¹

Europe

- 2.65 mn blind + 30.45 mn moderately to severely vision impaired people.¹



1. Bourne, R. et al. (2021). Trends in prevalence of blindness and distance and near vision impairment over 30 years: An analysis for the Global Burden of Disease Study. *The Lancet Glob. Health*, 9(2).