

biped

Giving vision with sounds

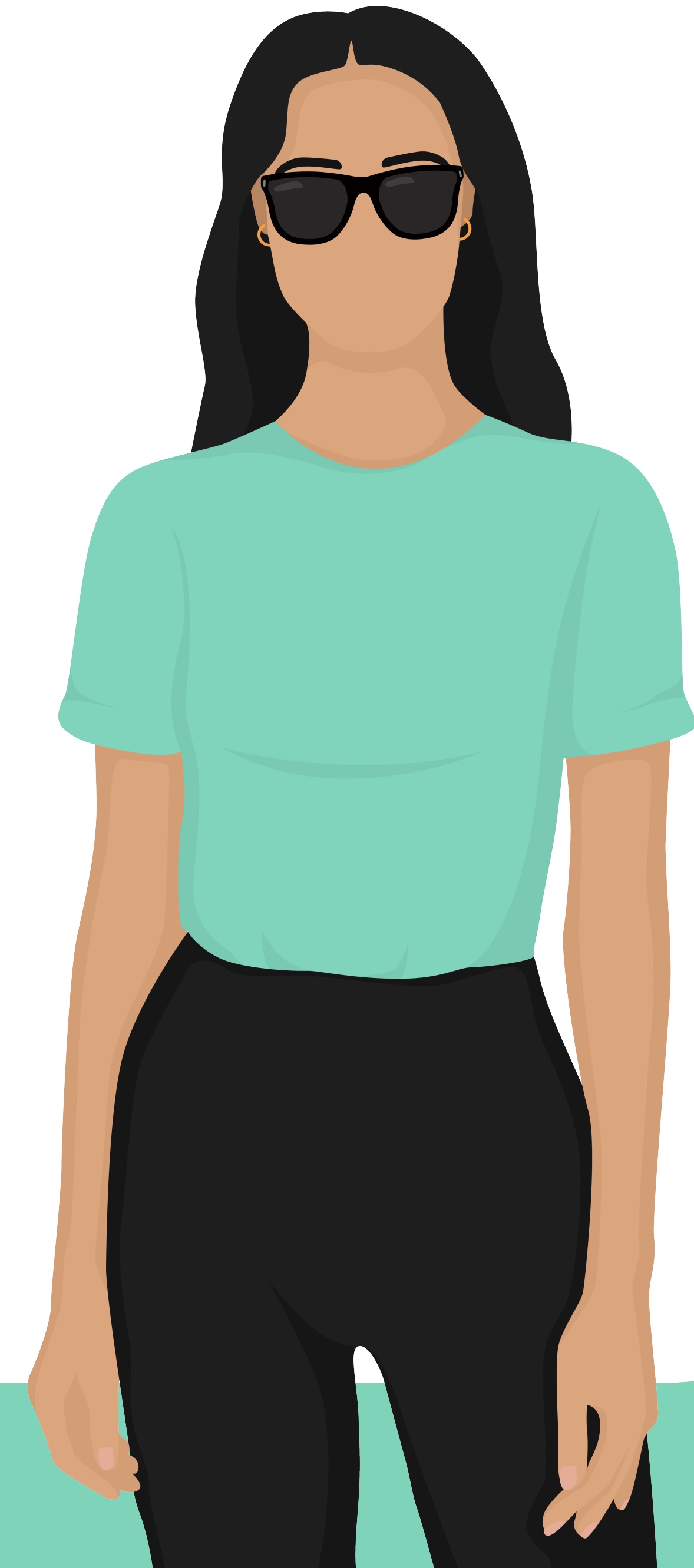


A life full of stress

◇ **2 million** blind people in



◇ **3 million** in



Obstacles

White cane detects **ground**
Head injuries are frequent



Objects

Avoid crowded places, hard to
find **important objects**



Navigate

Need **help** from **relatives** or
mobility trainers



Yet...



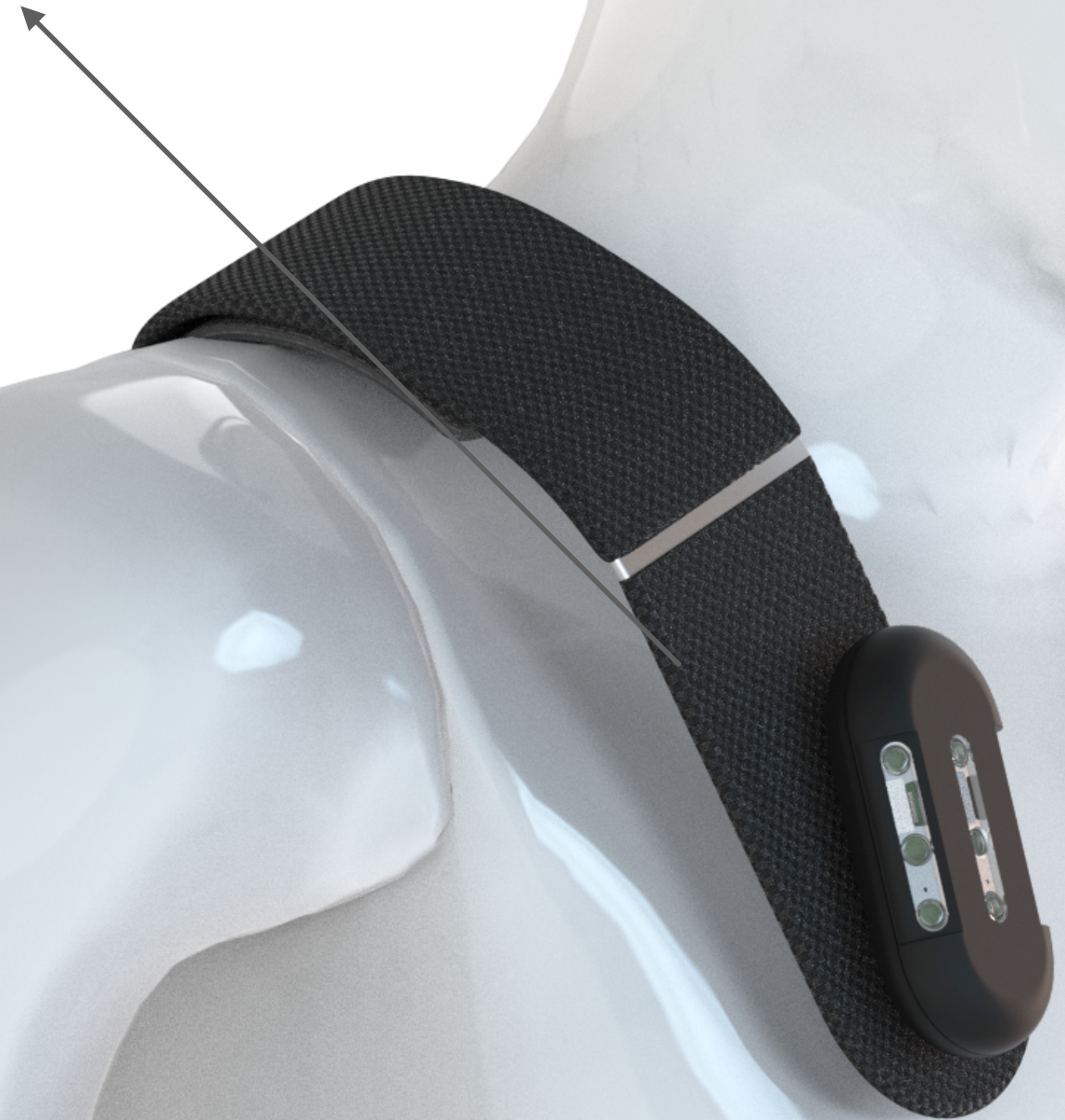
Autonomous vehicles hitting the streets of San Francisco

Introducing **biped**

Bone conduction headphones



3D cameras



A harness that lets you


- ◊ detect
- ◊ track
- ◊ predict trajectories of all surrounding elements

Computation unit



 **< 950 grams**

 **> 4 hours**

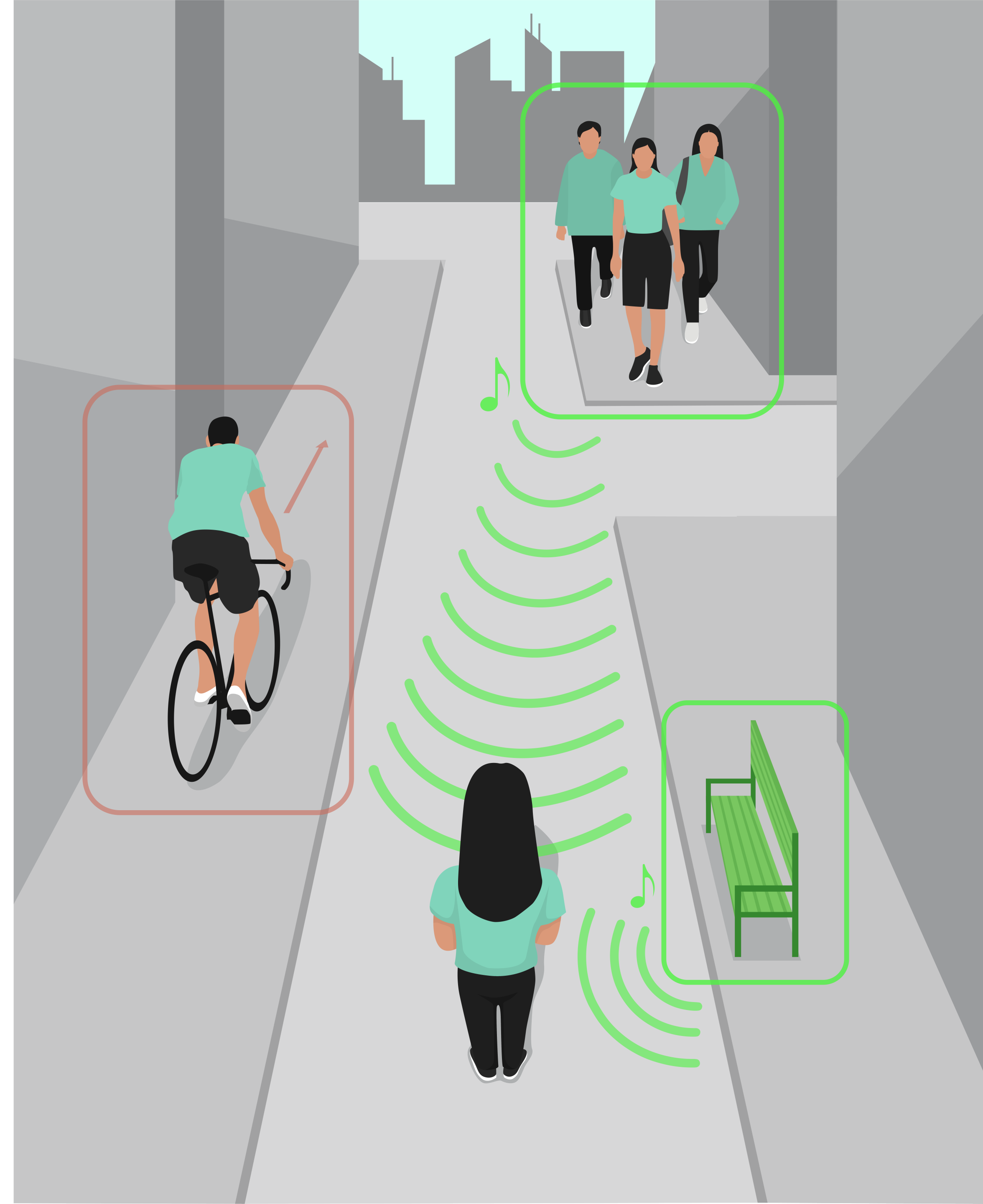
 **> 170° FoV**

Feedback system

- Filter **most important information**
- Generate **3D sounds** feedback

Users can tell:

- **What** is the object (the music note)
- **Where** is it located (3D effect)
- If it's **important** (trajectory)



Demo time!



Partners and testers

“ It’s one of the most **ambitious** and **intuitive** devices I’ve tested. I could really use it **everyday**.

Lex Gillette

5 times Paralympic medalist in long jump

“ This feels 10x better than anything I’ve tested to date.

Tester in Bordeaux

“ We’ve never had such excellent feedback after user tests. Biped can become **the all-in-one solution**



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