

SMART WALKING GUIDE

MARKET:

\$15.9 billion market in assistive devices in 2018

USER:

10.7 million visually impaired individuals in US and Europe

FEASIBILITY:

Smart Sensors to detect obstacles ahead

Built in GPS



A

STAY AWAKE

MARKET:

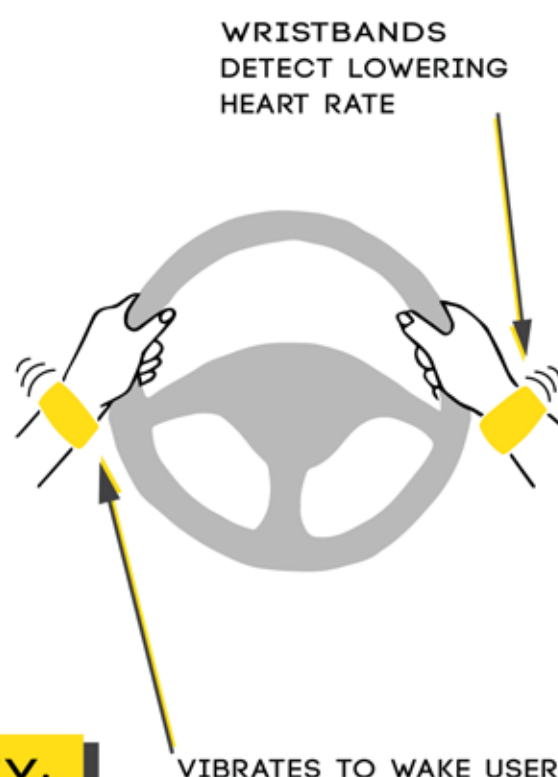
Wellness wearables \$19.8 billion

USER:

1 in 25 drivers report falling asleep while driving

FEASIBILITY:

Vibration alert system
ECG and EMG sensors



A

AUTOMATIC WEATHER SHIELD

MARKET:

The U.S. infrastructure market totals \$11.5 billion

USER:

About 5% of commuters walk to work

FEASIBILITY:

Automatic umbrella deployment
Attachment to light posts and traffic lights



A

HOLD-FAST BOOTS

MARKET:

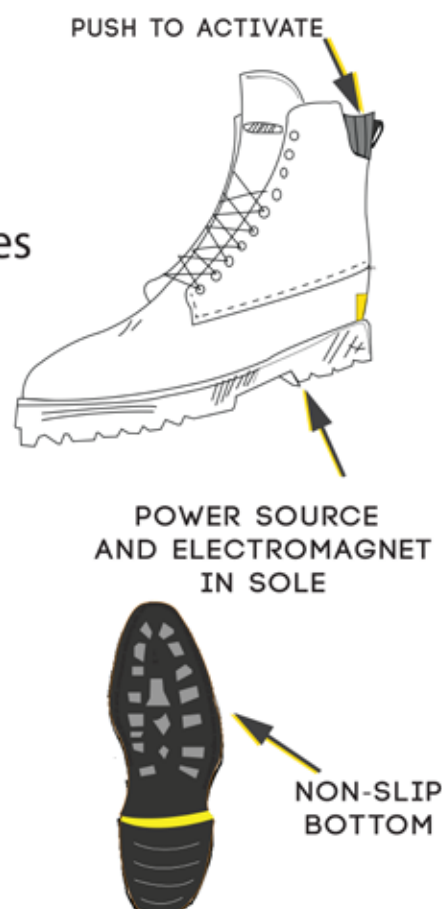
\$6 billion market in industrial safety shoes

USER:

3 million workers in construction and commercial fishing

FEASIBILITY:

Electromagnetic attachment in sole prevents slips on metal



B

BREATHABLE HELMET

MARKET:

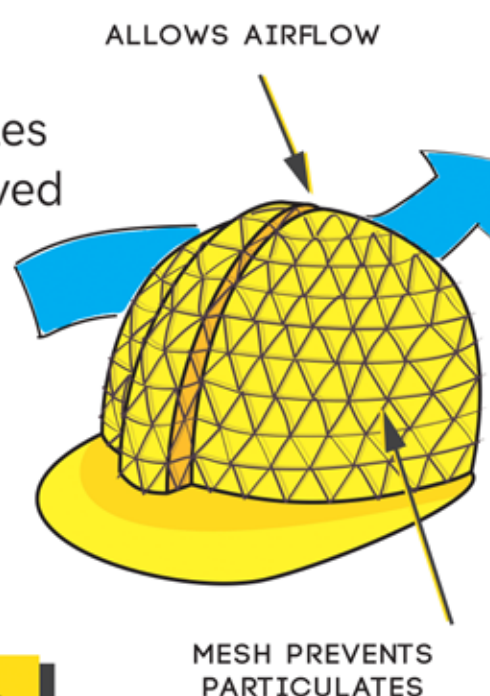
2.1 billion in sales
1.7 billion in saved medical costs

USER:

Construction personnel, manufacturers

FEASIBILITY:

Injection molding: fast and cost-effective production



B

MOUNTED CELL TOWER

MARKET:

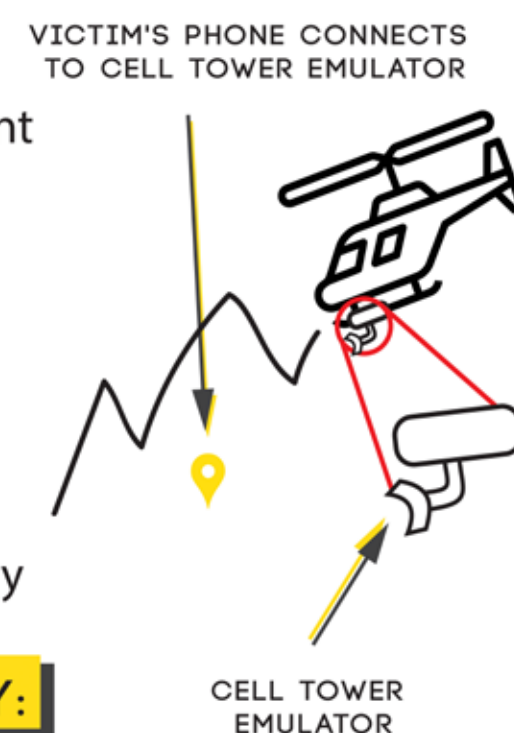
\$36 billion spent in search and rescue in 2018

USER:

472 million national park visitors annually

FEASIBILITY:

Mobile, compact, vehicle mounted cell tower



B