

# SMART CONNECTED EYEWEAR

## Reduce Health Accidents and Associated Costs



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JEI

## Thanks to Artificial Intelligence, we can prevent health risks

**75%** of worldwide population wear prescription eyeglasses.

### **100%** of adults can wear sunglasses



Eyeglasses' frames are one of the most commons and well accepted wearables



The position on the face allows collection of physical, physiological and environnemental data.



**27** Lethal falls everyday in France and 37,3M falls wordwide/ year

## **THE TEAM (18 EMPLOYEES including 4 PhD's)**



#### PHILIPPF PFYRARD CEO

25 years experience in optical & luxury sectors (L'Oréal, L'Amy, Atol).



#### CÉLINE CORVISIER COO

20 years experience in new technologies. Marketing & Communication (Orange, Lexis Nexis, Lucent, Havas).

**THIERRY MUELA** CIO Entrepreneur. 25 years experience in the industry (IOT & wearable)..



#### DR CHRISTOPHE CAOUINEAU CRO PhD in Computer Science 25 years experience in Research and **Business**



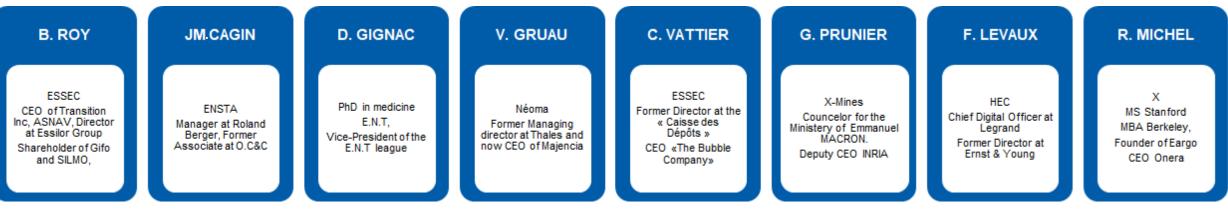
#### PR DOMINIQUE BREMOND MD Medical Doctor, PhD Professor & Chief of the

Ophthalmology Department at Necker Hospital in Paris. Searcher at CNRS.



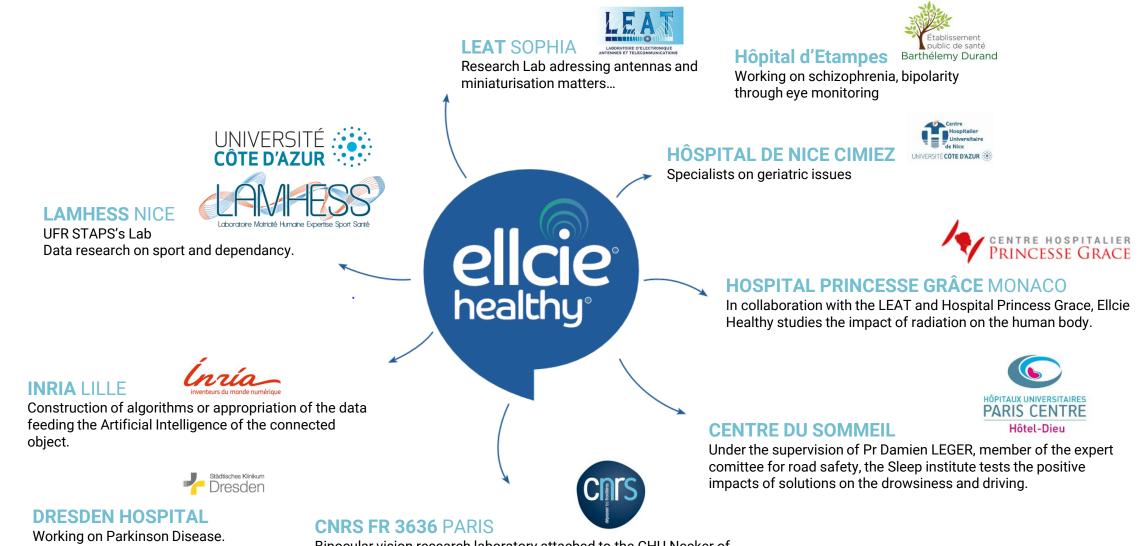
#### Pierre LE COZ CTO 8 years experience in IOT Implement technology strategy

### **OUR STRATEGIC COMMITTEE**



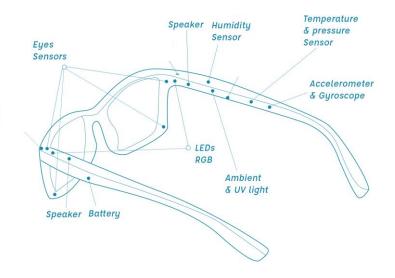
### OUR PARTNER LABS 20 EXTRA WORKERS FOR ELLCIE HEALTHY





Binocular vision research laboratory attached to the CHU Necker of the ophthalmology department.

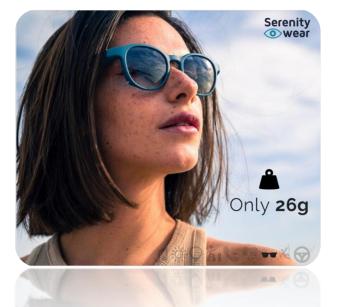
### 26 grams of Smart technology made in France



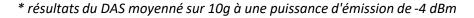
**Connected Eyewear Driven by Artificial Intelligence** 

- Autonomy : 24 hours minimum
- **Smartphone synchronization**: Bluetooth Low Energy
- **DAS** =  $0.37 \text{ mW/Kg}^*$  (5405 times less than the regulation's threshold)

□ Complete kit: 319€ inluding VAT (Frame + Charger)









### Provide better wellbeing and health to individuals

	Use CASE	Market volumes Awards	
DONE	Prevent car accidents due to drowsiness & eye and head tracking	<ul> <li>- 40 million drivers in France</li> <li>- 1,5 billion drivers worldwide</li> <li>- 1 person out of 4 works at night</li> </ul>	<mark>TION</mark> TIÈRE BLES
DONE	Detect falls for isolated workers	<ul> <li>5,000 workers die everyday in work accidents</li> <li>200 million lone workers worldwide</li> </ul>	
DONE	Detect and prevent falls for the elderly	<ul> <li>12 million elderly people</li> <li>1,5 billion elderly people</li> </ul>	
IN PROGRES	Track physical activity and wellbeing	<ul> <li>9 people /10 believe stress can have an impact on their health</li> <li>The average rate stress in European countries &gt; 5/10</li> <li>\$190,000,000 US* Annual healthcare Costs due to Workplace st</li> </ul>	tress
TO BE DONE	Health – medical device	<ul> <li>Cardio Vascular Diseases are the #1 cause of death globally: more people die annually from CVDs than from any other cause.</li> <li>17.7 million people died from CVDs in 2015 (31% of all global deaths)</li> </ul>	

<u>https://medium.com/@busy\_lifestyle/6-surprising-statistics-about-stress-around-the-world-f60d5831c404</u>

• https://fipcenter.com/blog/index.php/2018/la-culture-de-la-securite-au-travail-par-le-port-des-equipements-de-protection-individuelle/articles-themes/thematique-epi/

### **Use cases examples of Smart Protection Eyewear for workers**



#### **Ellcie Healthy's Value Proposition**



Fall detection and notification



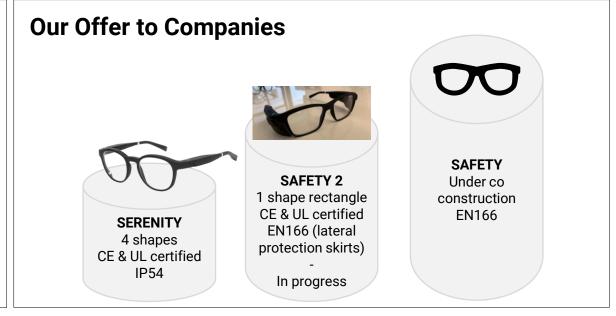
Monitoring of worn time / PPE equipment



Drowsiness at the wheel for machine drivers / employees on the road

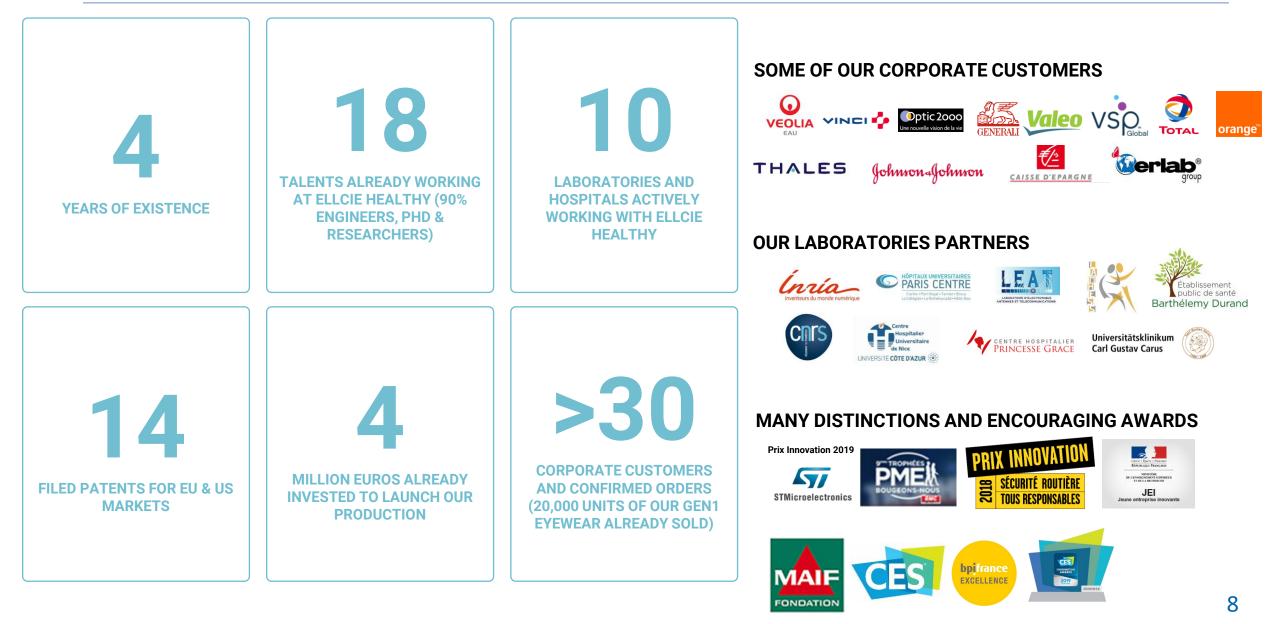


Physical activity



### **CONCLUSION**





### Thank you for your attention

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