

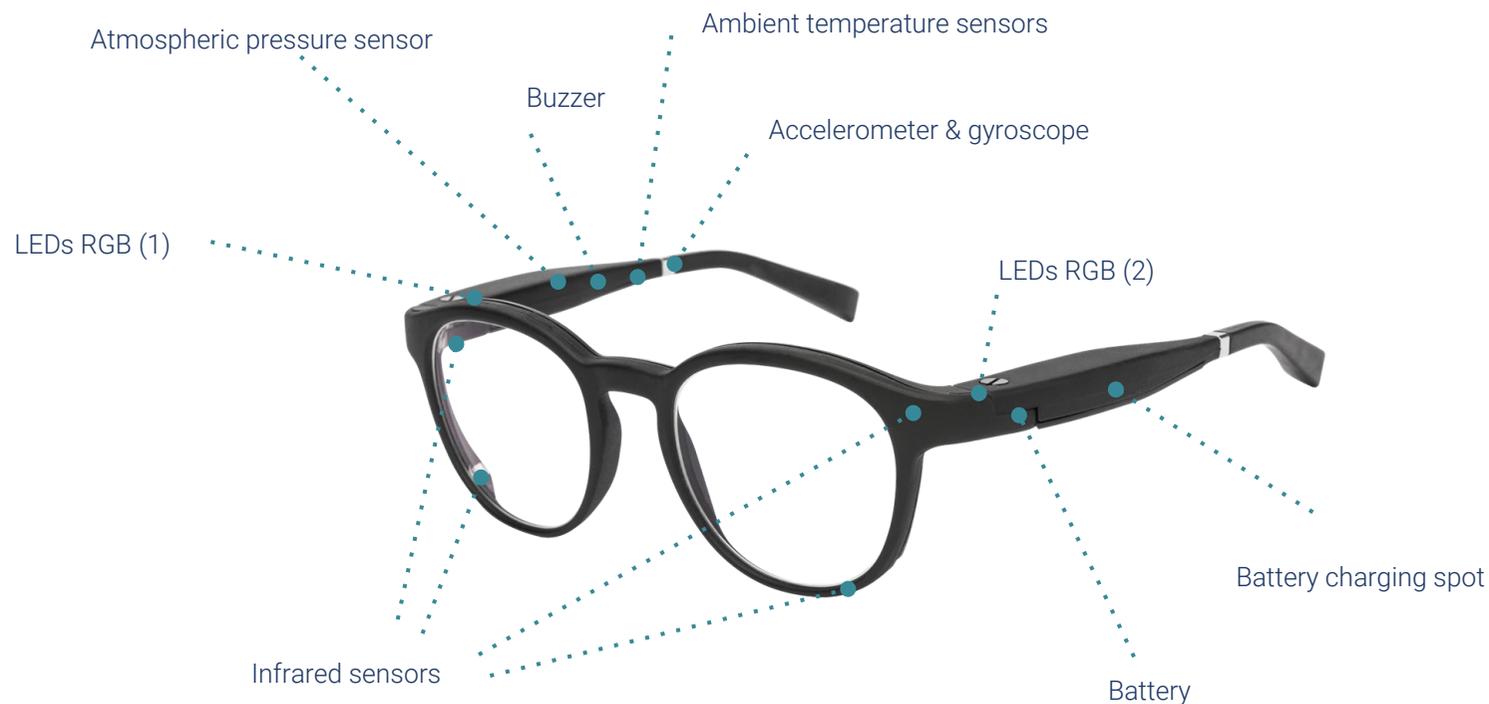


EYEWEAR THAT TAKES CARE OF YOU



THE REVOLUTIONARY FALL DETECTION EYEWEAR

Falling is a recognized public health problem. Not only **the leading cause of accidental death in people over 75 years of age worldwide¹**, in the United States, The Joint Commission National Patient Safety Goals make fall prevention a priority. The **Serenity Eyewear** from Ellcie Healthy can **detect falls** in real-time and alert emergency personnel. When it comes to falls, time is of the essence. The faster you intervene, the more likely you can limit the physical and mental consequences of falls. Our goal is to **revolutionize the daily life of elderly people**, thanks to our newly-developed, connected devices. These innovative devices combine **monitoring, protection, well-being**, and support for the elderly who wear them. In addition, Serenity Eyewear uses a **connected-care approach** that helps elderly **share their health status with their families, healthcare providers, or social support circles** as needed. Since our health is the most valuable thing in life, we take this goal very seriously.



¹ The Joint Commission - 2019 National Patient Safety Goals

When Artificial Intelligence looks after you...

THE BEST FALL DETECTION WEARABLE ON THE MARKET



PORTABLE & CONNECTED FOR DAILY USE

According to The Vision Council of America, **75% of adults** use some sort of **vision correction**. About **64% of them wear eyeglasses**².

Serenity Eyewear combines a wide variety of **fashionable glass frames** with functional capabilities. We provide eyewear solutions that **light, comfortable, and compatible** with **corrective lenses** or **sunglasses**. You can look good and stay safer from falls or drowsiness where you are.



BEST FALL DETECTION SYSTEM ON THE MARKET

To ensure the quality of our solutions, the **TASDA** association has carried out numerous tests in real situations.

96% of falls detected

N°1 for the relevance of the detection



TASDA is the French Expert center on the use of digital for home support. TASDA brings together the actors of the Silver economy to develop the home care of tomorrow.



SUPPORTED BY THE SCIENTIFIC COMMUNITY

Serenity Eyewear by Ellicie Healthy is recognized, validated, and supported by France's leading authorities such as:



CNRS is the french national center for scientific research. It is a public organization under the responsibility of the French Ministry of Education and Research



INRIA is the French National Institute for Research in Digital Science and Technology



CERTIFIED PRODUCT

Serenity by Ellicie Healthy glasses are **certified** by the **CE** and **UL markings** and therefore follow the applicable standards in terms of safety, health and environmental protection



²The vision council – US Optical Overview dec 2015

FALL DETECTION FOR ELDERLY

According to the US Department of Health and Human Services, about one in every seven, or **15.2% of the population is an older American**³. As people age, normal activities of daily living can be a challenge. According to a 2016 US Census Bureau American Community Survey, of persons age 65 and over with a Disability, over 15% had an **Ambulatory Difficulty**. Over 26% of persons age 75 - 84 has the same⁴. While the need for caregiving increases with age, the **financial impact** on both the elderly, their family, and the entire health system is a concern for many. Most elderly Americans have at least one chronic condition, and a growing number suffer from multiple conditions. **The effects of aging are inevitable.**

Falls are the leading cause of fatal and non-fatal injuries in older Americans. As a matter of fact, according to the Centers for Disease Control (CDC), every 11 seconds, an older adult is treated in the emergency room for a fall; **every 19 minutes, an older adult dies from a fall**⁵. While many older adults wish **to maintain their independence**, Institute on Aging reported that nearly 33% of non-institutionalized older adults live alone, falls are often ignored, especially when there are no witnesses or visible injuries⁶.



By 2050, the world population will exceed **9.7 billion people**



In 2050, **16% of the world population** will be over **65 years of age**



One in four Americans aged **65+** experiences a falls each year.



Falls result in more than **2.8 million injuries** treated in emergency departments annually, including over **800,000 hospitalizations** and more than **27,000 deaths**.



Falls are the **second leading cause of accidental death** or unintentional injury death worldwide.

³ The Administration for Community Living & the Administration on Aging - 2017 Profile of Older Americans

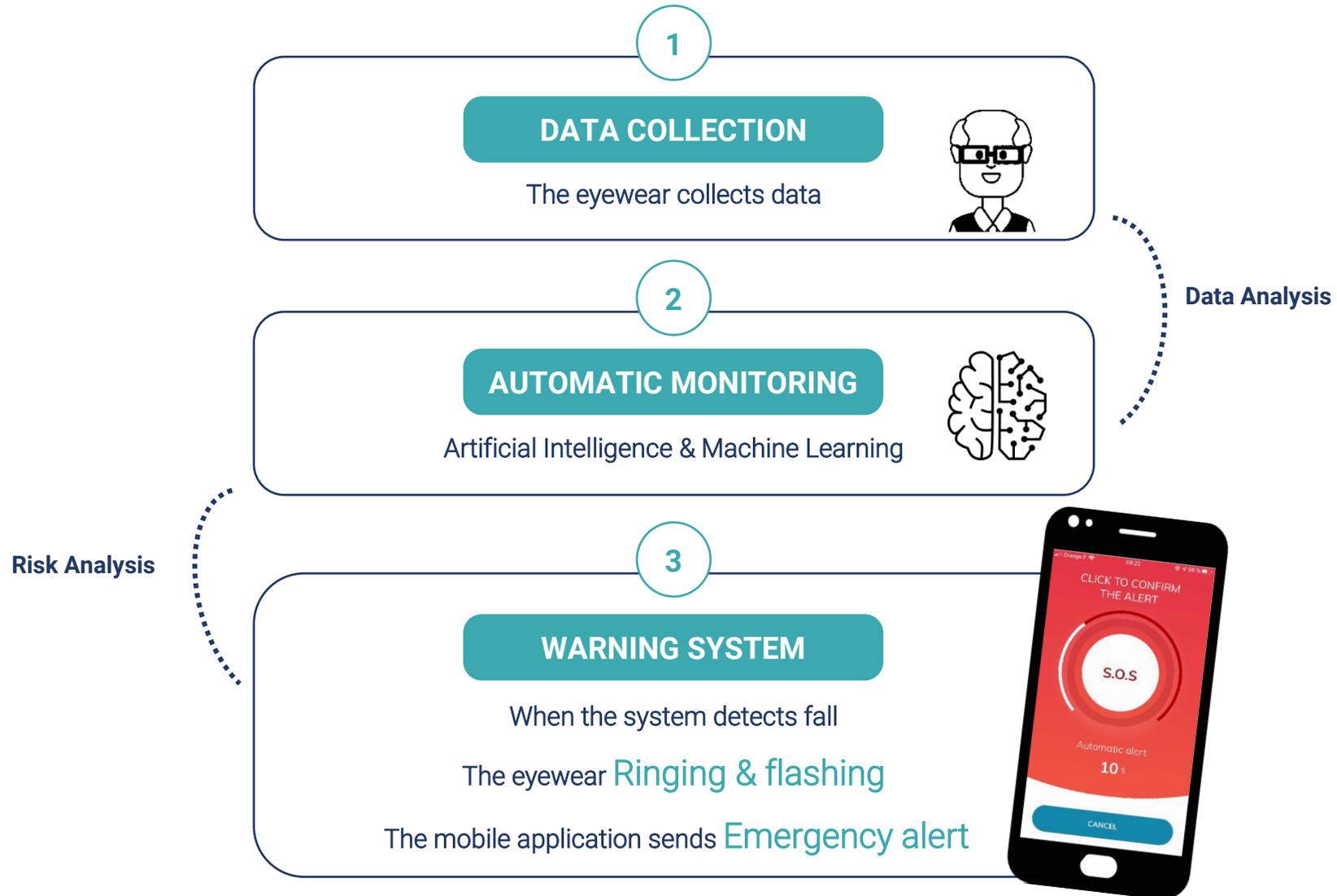
⁴ American Community Survey Reports By Andrew W. Roberts, Stella U. Ogunwole, Laura Blakeslee, and Megan A. Rabe - The Population 65 Years and Older in the United States: 2016

⁵ National Council on Aging Falls Prevention Facts

⁶ Institute on Aging - Read how IOA views aging in America

When Artificial Intelligence looks after you...

HOW DOES IT WORK?



All the functionalities of the fall detection service are subject to a smartphone and mobile network connection.

When Artificial Intelligence looks after you...

TECHNICAL INFORMATION

Who can benefit from Serenity Eyewear? Active Adults who wish to maintain safety during their daily activities.

Wide Variety of Frame Styles: Serenity Eyewear comes in 4 different frame shapes and in a variety of colors to choose from



Features:

 **Automatic fall detection**

Carry on with your normal daily routine with the added benefit of automatic fall detection.

 **Emergency alert**

If a fall is detected, an email and text alert will be sent to your family or a professional helpline to provide the user with appropriate assistance as soon as possible.

 **SOS Button**

Manual triggering of an alert from the Serenity by Elcie Health mobile application allows you to send a message to the designated person.

 **Protected wherever you are**

Thanks to sensors embedded in the connected glasses, we can detect falls by the wearer wherever he/she is.

Connectivity: Bluetooth (65 ft maximum from the device with mobile application installed)

Battery Life: 24H

Price: \$320

Price is for the Serenity Eyewear frames only. Glasses sold with neutral lenses (Prescription lenses which must be purchased separately)

When Artificial Intelligence looks after you...

CUSTOM PRODUCT

MANAGEMENT INTERFACE

Our management tool is designed to best meet the security and protection commitments of carriers. The management interface allows the manager to follow in real-time the data relating to each of the holders. The dashboard consists of a global view of the group, then detailed pages of each user. For example, the tool can:

- Consult the main indicators of the users of your group.
- Stay informed in detail of all times of wearing glasses, with visualization on the alerts issued ...
- To be alerted in real-time in the event of fall detection.

DATA COLLECTION

You may have the need to analyze specific data points from Serenity Eyewear. The Elcie Healthy Team can work with you to create customized reports to meet your needs for an additional cost. By leveraging our Artificial Intelligence and Machine Learning capabilities, you can obtain detailed information that can help you improve safety outcomes. Thanks to embedded sensors we are able to analyze certain data such as :

- number of steps per unit time
- blinking frequency
- blinking amplitude
- blinking duration
- drowsiness detection during driving sessions
- distracted driving detection
- look direction estimation
- pattern recognition
- head movement
- environmental sensing: temperature, barometric pressure
- ambient luminosity
- user activity detection: standing, sitting, walking, driving, running
- glasses wearing time per unit time
- up to one month fall prediction

We stand ready to offer our extended services to address your special request. Please contact Elcie Healthy so we can learn more about your specific Use Case.

When Artificial Intelligence looks after you...

CUTTING-EDGE TECHNOLOGY, PEACE OF MIND



DESIGN

Our extremely lightweight, fashionable, and functional eyeglass frames can be worn daily. Just add your own corrective lenses or sunglass lenses and wear in comfort.



SENSORS

15 embedded sensors collect physical movements, physiological changes, and environmental data - which means the eyeglass frames work hard to keep you safe!



MACHINE LEARNING

Serenity Eyewear features the latest in state-of-the-art technology. Unique Artificial Intelligence (AI) analyzes the collected data. A specialized learning system refines this information and provides accurate, real-time results, to reality as possible.



EVOLUTIONARY SYSTEM

With an easy Bluetooth pairing process, as soon as the glasses are near a mobile phone, they synchronize automatically. You'll be ready to benefit from the latest features available from Serenity Eyewear.



MOBILE APPS & WEB

The Serenity Eyewear includes a Mobile App available for Android or iPhone. Ellicie Healthy Apps make it easy for you to customize your experience.



DATA SECURITY

The personal information collected by Ellicie Healthy is stored on secure servers and in compliance with the rules in force. Support for GDPR (Data Protection Regulation) and CCPA (the California Consumer Privacy Act)



KNOWLEDGE

Ellicie Healthy includes a team of experienced engineers and researchers who work hard each day to enrich our solutions and continuously develop improvements for Serenity Eyewear.



SCIENTIFIC COMMUNITY

Ellicie Healthy takes a solution-based approach based on facts and scientific analysis. Our research team and partner laboratories bring you the most reliable eyeglass frame solution possible.

When Artificial Intelligence looks after you...



WHO WE ARE?



With more than **25 years of experience** in C-Level positions in major Optical Groups, Ellicie Healthy CEO **Philippe Peyrard** founded **Ellicie Healthy** in 2016. The company **develops a new line of smart glasses**, equipped with **Artificial Intelligence** designed to ensure individual safety.

The Ellicie Healthy Team builds her solutions on **strong scientific data, customer feedback, research, and analysis**. Our research team and our Lab partners provide us with reliability-based solutions, which is the root of our product line.

Our **objective** is to **use innovation** to detect diseases and identify potential risks to **improve people's health and wellbeing**. We believe in making a **positive impact on humanity** and we strive to help our peers live better lives through technology. Thanks to new and improved technologies we offer, **individual health can be monitored**, while overall wellbeing increased. That's what we strive for!



When Artificial Intelligence looks after you...