



FIRECAT

6th SENSE

Explore 6th SENSE, our AI-powered sensory system designed for **law enforcement, military personnel, or firefighters**. Our innovative technology delivers real-time tracking, enhancing your team's situational awareness. By gathering vital and critical information, you can make informed decisions to effectively address any potential risks, hazards, or unexpected events.



DESIGNED AND MADE IN EU

6th SENSE

BY FIRECAT



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FIRECAT

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AI-powered sensory system
6th SENSE for effective on-duty
risk management.

WWW.FIRE-CAT.EU

HEAT | SHIELD | TAILORED

MAIN COMPONENTS



01 MAIN UNIT

Ensures secure collection of information from the sensor, transmitting it in real-time, along with advanced GPS data (also supported by GSM triangulation), to the control unit through encrypted communication. Complying with the IP56.

02 SENSOR

A high-quality, reliable sensor designed to operate in the most demanding conditions. It is resistant to dust, water, and extreme temperatures, ensuring long-term durability and consistent performance. The sensor is fully washable, making maintenance straightforward and efficient.



03 CONTROL UNIT

Manages the coordinated collection of all individual or group parameters, interprets them appropriately through an AI interface, and presents them to the supervisor in a clear and transparent manner on a supervisor's app.

04 SHIRT

The 6th SENSE AI-powered sensory system is seamlessly integrated into any chosen shirt. It can be custom-made to specifications or incorporated into an existing garment provided by the client, ensuring adaptability while maintaining comfort.



FOR POLICE & ARMY



6th SENSE SITUATIONAL AWARENESS



VITAL LIFE SIGNS

A cutting-edge sensor integrated into the fabric continuously measures vital signs in the form of heart rate and breathing.



MAN DOWN ALARM

Constant measurement of acceleration, location, and vital signs ensures that the system can reliably and automatically alert the team leader to any potential issues.



PANIC BUTTON

At any moment, the user can quickly alert the team leader in case of issues using an easily accessible panic button.



POSITIONING

A high-quality GPS sensor ensures high precision in determining the location and movement of an individual.

KEY BENEFITS

LIFE-SAVING TECHNOLOGY

Real-time data acquisition enables quick response in critical situations, capturing valuable minutes within the "golden hour."

TECHNOLOGICAL ADVANCEMENT

The system integrates machine learning to adapt to individual characteristics, such as an initially elevated heart rate, preventing false alarms. An advanced system can detect any anomaly outside an individual's typical behavior, identifying it as a potential issue.

LIFESPAN & WARRANTY

Hardware has an expected lifespan of 7-10 years.

PRIVACY & DATA SECURITY

Data is encrypted. The system is GDPR compliant. High level of safety and data security, robust encryption, adapting privacy standards based on specific country regulations.

MAINTENANCE

The sensor-equipped shirt can be easily machine-washed.

PLUG & PLAY

System installation and readiness for use take less than 3 minutes. Technical support and training are readily available.

BATTERY

The system provides up to 12 hours of uninterrupted operation on a single charge. If the customer wishes for a larger capacity, it can be upgraded to up to 20 hours. Charging is done through a standard USB-C charger.

SOFTWARE DEVELOPMENT

Regular system and software upgrades are provided, with constant adjustments based on user feedback.

TAILORED TO YOUR NEEDS

Is fully adjustable and can meet almost all client's needs since the shirts' material can be tailored to various preferences, allowing customization based on individual choices.

FOR FIREFIGHTERS



FOR SECURITY

