

CALLISIA S.R.L.



UNIVERSITÀ Politecnica Delle Marche

<u>CONTACTS</u>

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COMPANY INFORMATION

Innovative startup Year of establishment: 2023 Development phase: growth Share capital: € 12.000

<u>TEAM</u>

4 Information Technology 2 Finance/Management 1 MD PhD

VISION

Becoming the world's first software platform capable of predicting clinical risks, while offering personalized, high-quality, and accessible care to all.

THE MARKET OPPORTUNITIES

In the European Union and the United States, technological innovation in the healthcare sector is becoming increasingly crucial to efficiently and effectively manage the growing demand for healthcare services. With the aging population and the rise of chronic and debilitating diseases, healthcare systems are becoming more overloaded, and resources are limited. The adoption of new technologies, such as telemedicine, with a market potential expected to exceed \$460 billion by 2030, can help address these challenges and improve access to healthcare services for all. Specifically, the global remote monitoring devices market reached a value of \$51.1 billion in 2022 and is projected to grow at a CAGR of 7.7% until 2030.

SOLUTION

Our cross-platform software, Callisia, is connected to IoT hardware devices with non-invasive biosensors capable of alerting healthcare personnel in case of emergencies. The Callisia platform provides secure remote connectivity for patient vital data, allowing doctors to access the data even after patients are discharged from the healthcare facility. Among the key future developments for Callisia are the utilization of AI algorithms to create predictive models specific to patient subpopulations, the development of early warning systems, and the implementation of standardized pathways aimed at reducing medical errors.

COMPETITIVE ADVANTAGE

Our system stands out for its non-invasiveness, ergonomics, and user-friendliness, which enable data aggregation and correlation. Our solution allows authorized personnel to monitor a large number of patients in real time from a single control center. Furthermore, we provide comprehensive cybersecurity at all levels, from individual devices to the entire clinical facility.

BUSINESS MODEL

Our business model is based on a fixed annual subscription fee to access the platform, along with a variable fee associated with each device integrated into the system.



PRODUCTS / SERVICES



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The healthcare sector/MEDICAL SOFTWARE

CLINICAL RISK ANITCIPATION SOFTWARE PLATFORM

Interconnected platform with wearable biosensor-equipped devices that continuously monitor people's vital signs, patient's data clustering, Machine Learning models.

The healthcare sector/DATA ANALYSIS

ARTIFICIAL INTELLIGENCE ALGORITHMS AND MATHEMATICAL MODELS FOR PHYSIOLOGICAL PARAMETERS AND PERSONALIZED MEDICINE

Advanced Framework for Personalized Medicine: The Application of Artificial Intelligence Algorithms and the Use of Mathematical Models for the Analysis of Physiological Parameters, Fundamental in the Advancement and Approach to Personalized Medicine. These advanced technologies allow for a detailed and predictive assessment of patients' health conditions, paving the way for more precise diagnoses and highly personalized therapies.

The healthcare sector/MEDICAL HARDWARE

WEARABLE DEVICE FOR VITAL SIGNS MONITORING

Device with biosensors to be used in a hospital setting for monitoring vital signs, providing real-time vital data for more accurate and responsive patient health management.