The Future of Health Monitoring

Notes:

H2TRAIN

Intelligent Assisted Sport Coaching

The IASC solution combines edge-to-cloud, AI, and digital twin technologies to deliver a ecosystem of IoT based wearables for real time monitoring of several physiological data for sport coaching.

Remote Support
Tracks athletes' health and performance through wearable and sports equipment sensors

Wearable Sensors
provide real-time health and performance monitoring through AI-driven data analysis

User Apps
Offers tools for athletes and professionals to access data, alerts, and performance metrics

Integrated Analysis
Centralizes data processing for both individual and team performance evaluation

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Remote Assisted Living

Our solution uses edge-to-cloud, AI, and digital twin technologies to enhance elderly care. By providing data-driven insights, it reduces hospitalisations ensuring at the same time a efficient emphatic integrated approach with patients, with a user-friendly app which is easy to use for everyone.

Remote Monitoring
Track vital signs, sleep, and physical activity with IoT sensors

Wearable Sensors
provide real-time health and performance monitoring through AI-driven data analysis

Integrated Care
Facilitates data sharing for real-time analysis by medical specialists

User-Friendly App
Allows elderly users to view data and connect with caregivers

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Clinical Monitoring

The Clinical Monitoring system integrates standard equipment and sensors in post-surgery and rehab settings for comprehensive patient data collection, cardiac monitoring and diabetes monitoring. The system shall allow continuous monitoring of vital signs (R-R, HR, glucose) with minimal disruption to daily activities.

Holistic Approach

Connects edge computing devices to a centralized system for real-time data processing

Wearable Sensors

provide real-time health and performance monitoring through AI-driven data analysis

User Application

Provides a user-friendly app for real-time data, alerts, and key performance indicators

Team Integration

Enables real-time data analysis by specialists from multiple team members

Partners

The H2Train project features top-tier companies and academic institutions from all over Europe.

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