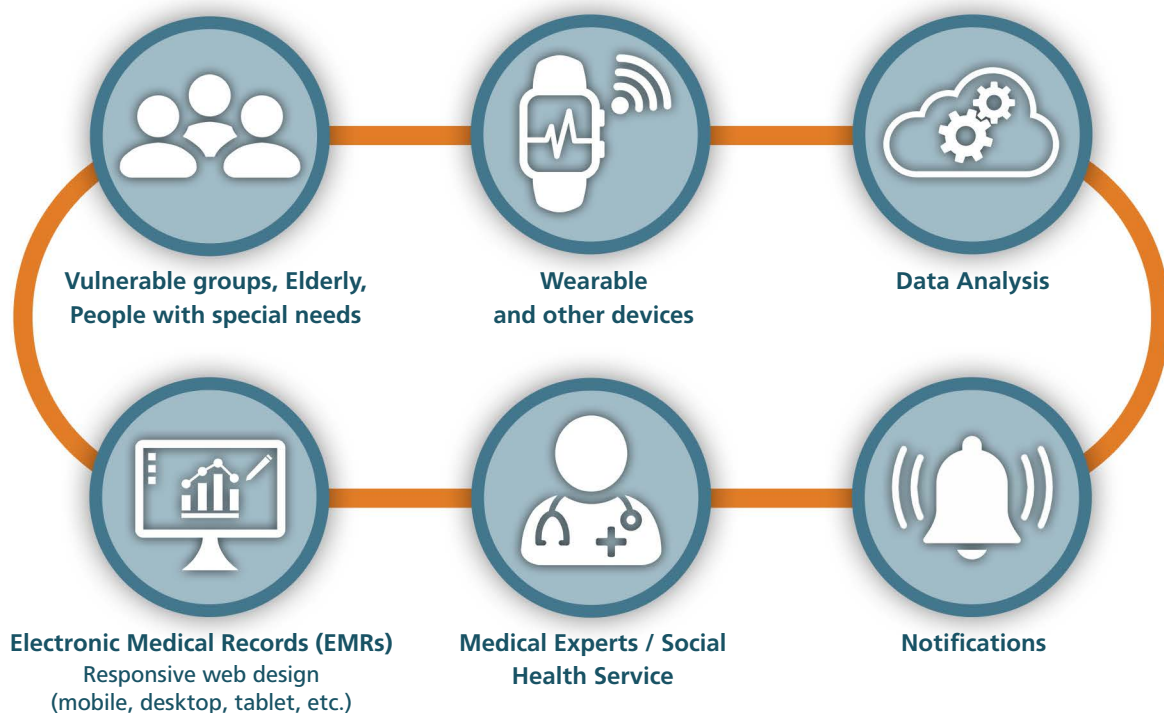# STARLIT

WINGS STARLIT Digital Solutions for Health and Wellness

End-to-End Solution for Digital Health and Wellness

- Real-time vital signs monitoring and predictions for individuals and groups of patients
    - Analysis of main vital signs for the detection and prediction of anomalies
    - Geofencing and fall detection technology
- Notifications to medical experts, patients, and their relatives in case of:
    - Heart rate, blood pressure, oxygen saturation, body temperature or blood glucose are critical or are out of range (based on certain predefined thresholds)
    - Recorded values show a trend towards a potential problematic situation leading to health emergencies
    - Patient leaves a specific predefined geographical area (geofencing)
    - Falls are detected
- Better and more accessible healthcare

Vulnerable groups, Elderly, People with special needs

Wearable and other devices

Data Analysis

Electronic Medical Records (EMRs)
Responsive web design (mobile, desktop, tablet, etc.)

Medical Experts / Social Health Service

Notifications

Wearable Devices

- Vital signs
  - Heart Rate, Cardiac Rhythm (Electrocardiogram/ ECG), Blood Pressure (systolic and diastolic), Oxygen Saturation (SpO_2), Body Temperature, Blood Glucose
- Other measurements and features
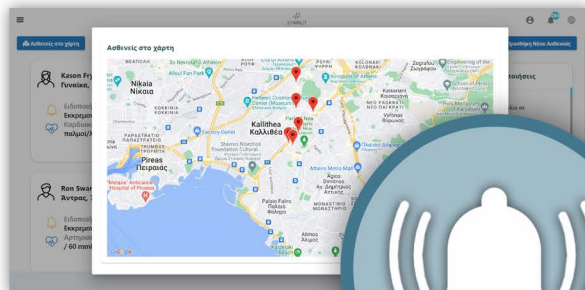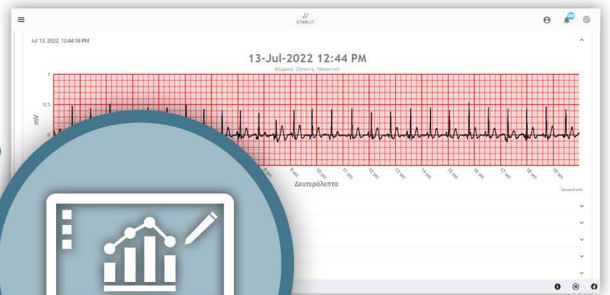 - GPS (geofencing), SOS buttons (emergency calls), Altitude, Acceleration, Activity, etc.

Intelligence – Data Analysis

- Anomaly detection
  - ECG analysis for the detection of cardiovascular diseases
  - SpO_2 analysis for the detection of respiratory events
- Personalised predictions
  - High blood pressure analysis for the prediction of hypertension.
  - Blood glucose analysis for the early detection of hypoglycemia.
- Geofencing

Electronic Medical Records (EMRs)

- Data Visualisation
- Real-time vital signs monitoring and predictions
- Patients on a single page & on the map
- Notifications/Alerts management
- Chat and Video Conferencing
- Responsive web design (mobile, desktop, tablet, etc.)

Notifications to medical experts, patients, and their relatives in case of:

- Heart rate, blood pressure, oxygen saturation, body temperature or blood glucose are critical or are out of range (based on certain predefined thresholds)
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ABOUT WINGS

WINGS exploits advanced technologies, such as Artificial Intelligence, Big Data, Cloud technologies, Telecommunication Networks (4G, 5G, WiFi, Lora, etc.), advanced visualization techniques (Augmented / Conceivable Reality (AR / VR), mobile applications, etc.) aiming to provide extremely reliable solutions that help businesses improve their decision-making processes, expand their knowledge through detailed forecasting and predictive analytics, increase their efficiency and in the end, focusing on customer satisfaction.

WINGS
ICT SOLUTIONS

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