

## U S - FDA APPROVED MEDICAL WATCH

- ✔ Long term continuous monitoring
- ✔ 24/7 Vital signs monitoring
- ✔ 24/7 Arrhythmia detection
- ✔ Artifact free clean ECG
- ✔ Real time alerts and notification
- ✔ Chronic care management for patients
- ✔ Instant access to Patient Data through cloud



### Approvals & Accreditations:



# Say hello to the future

# Features



## Current Features

- ✔ Artifact free clean ECG
- ✔ 24/7 Arrhythmia Detection
- ✔ Beat by Beat Heart Rate
- ✔ Continuous Pulse Rate
- ✔ Continuous Respiratory Rate
- ✔ Oxygen Saturation (SpO2)
- ✔ Real Time Alerts and Notification
- ✔ Continuous Recording of Vitals Signs accessible through app and web portal
- ✔ Physical Activity Tracker

## Upcoming Features

- ✔ Novel cuff-less Blood Pressure measurement
- ✔ Core Body Temperature
- ✔ Early detection of COPD deterioration
- ✔ Early detection of CHF deterioration
- ✔ Sleep Apnea Detection
- ✔ Chronic Care Management Solutions
- ✔ Stress Level Monitoring
- ✔ ECG Analysis in the cloud for Detection of 27 Arrhythmia

## Using External Device

- ✔ Blood Pressure
- ✔ Body Glucose
- ✔ Body Weight
- ✔ Thermometer



# Sensors and Technology

ISRAELI PRECISION TECHNOLOGY

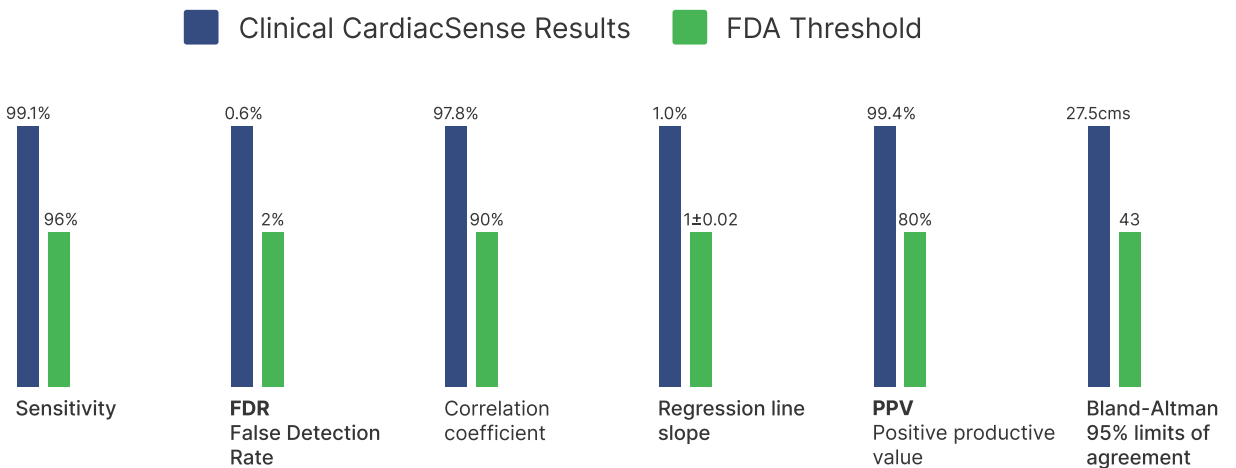


CardiacSense has developed novel technologically advanced Optomechanical Sensors and Patented Algorithms, that make it potentially the only Watch in the world to achieve accuracies that are at par with Gold Standard technologies like ECG, Capnograph, Holter Monitors and also Arterial Line Blood Pressure measurement system. Our unique and proprietary artifacts sensing technology detect even the smallest movement and noise while measuring the ECG. The algorithm is able to generate a gold standard level accuracy and give a very clear artifact free ECG.

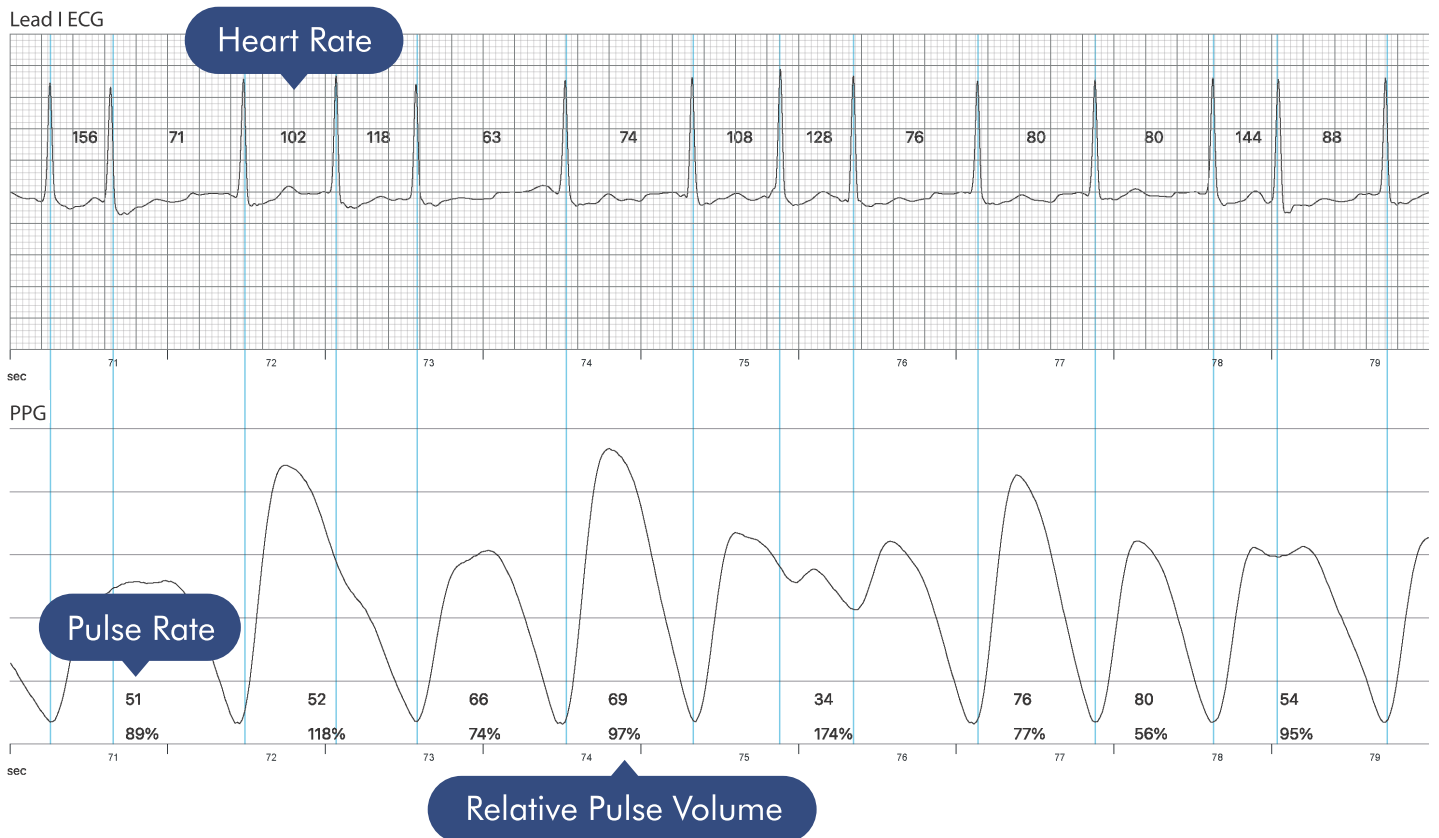
**This makes CardiacSense a truly reliable Continuous & Ambulatory patient Monitoring solution, of it's kind in the world.**

## Accuracy surpassing FDA Thresholds

In clinical studies, CardiacSense algorithm demonstrated the accuracy of over 99% sensitivity and 99% specificity, in distinguishing atrial fibrillation (A-fib) from sinus rhythm. **This shows that CardiacSense continuously detects Arrhythmia very accurately.**



# Improved Patient Diagnosis with Next Generation of Combined ECG+PPG Reports



An example of ECG strip from the CardiacSense watch (A-fib detected)

## Advantages of new ECG+PPG reports:

- ✔ CardiacSense provides US FDA cleared Electrocardiogram
- ✔ Artifacts free, longer than 30 sec ECG measurement comfortably over the wrist
- ✔ PPG is over 99% accurate as ECG
- ✔ Get Relative Pulse Volume (RPV) in our report via PPG strips
- ✔ Patient can perform and share real-time ECG to doctor for immediate intervention
- ✔ Notification of high and low pulse rate on doctor portal
- ✔ Doctor can request real time ECG to the remote patient from anywhere in the world
- ✔ Doctor portal provides ECG reports and vital data required for comprehensive decision making





## CardiacSense Application

### Atrial Fibrillation (A-fib)

- ✔ 45% of A-fib patients are asymptomatic
- ✔ A-fib related stroke is more severe and have higher mortality
- ✔ A-fib increases risk of a Stroke by 4-6 times
- ✔ CardiacSense medical watch is only certified medical device for real time continuous detection of A-fib

### Post CABG Patients

- ✔ Patients are on the risk of developing blood clots, stroke, and Arrhythmia.
- ✔ Post operating patient needs continuous monitoring of vitals to avoid deterioration
- ✔ CardiacSense medical watch gives real time alerts with 24/7 vital sign monitoring
- ✔ CardiacSense watch has same accuracy as Gold Standard Devices

### Congestive Heart Failure

- ✔ Patient is on the risk of SOB, fall in SpO2 levels, and Arrhythmia
- ✔ 24/7 Arrhythmia detection, accurate RR with SpO2 levels is added advantage with CardiacSense medical watch
- ✔ Doctor can access patient's status through doctor portal

### Chronic Care Management

- ✔ Chronic care for e.g. COPD, Sleep Apnea, and CHF are on the risk of breathing difficulty and decrease in SpO2 levels
- ✔ Continuous monitoring of these chronic care patients are effortless through CardiacSense doctor portal
- ✔ CardiacSense doctor Portal gives alerts during abnormal events for immediate medical intervention

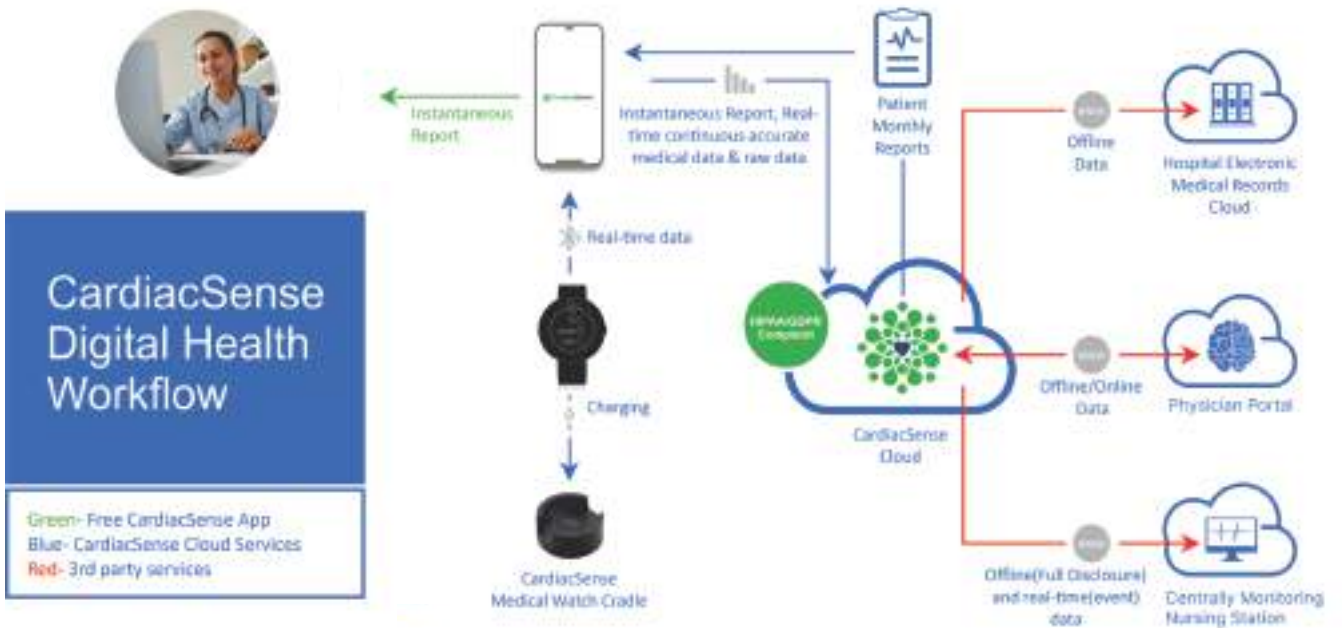
### Remote Patient Monitoring

- ✔ CardiacSense empowering doctor, medical institutes and hospitals wishing to observe the patients through a centralized monitoring system even remotely
- ✔ CardiacSense medical watch allows titration of rate control medications much easier and safer for hypertensive patients and surveillance of arrhythmias recurrence after ablation procedure



# Stay connected anytime, from anywhere.

## CardiacSense Cloud Solution

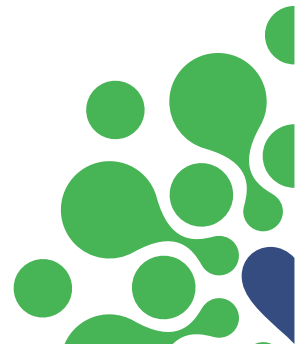


## Patient Monitoring Portal

- ✓ Medical condition Remote Monitoring
- ✓ 24/7 recording of vital signs and history
- ✓ Live ECG streaming of remote patients
- ✓ Flexibly set Patient's Vital Threshold Limits
- ✓ Instant Reports accessible of all Patients
- ✓ Personalized monitoring dashboard view
- ✓ Connectivity to EMR/EHR and third party applications

## User Mobile App

- ✓ Displays real-time ECG & vital signs
- ✓ Arrhythmia Detection Alerts
- ✓ Create and Share ad hoc event report for immediate intervention
- ✓ Generate on demand monthly report
- ✓ Annotation reporting



# Medical Condition Alerts for Healthcare Professionals

- ✔ Real time alert and Notification of Abnormal Rhythm and vital signs on the watch, Mobile App and Cloud based portals.
- ✔ User is prompted to take a quick ECG after notification and which further can be shared with the doctors in multiple way for immediate medical intervention



## Reports

### Monthly Report

- ✔ Patient Profile & Recording summary
- ✔ Day wise monthly vital signs monitoring
- ✔ Heart Rate Variability Report
- ✔ Monthly Arrhythmia recording summary
- ✔ Last taken ECG signals with PPG reading
- ✔ Step Count & Calories burnt
- ✔ Arrhythmia detection summary including Onset time, Duration, detection by PPG & ECG



### Event Report

- ✔ Artifact free clean ECG with vital signs
- ✔ Annotations Reporting
- ✔ An event report can be shared with anyone in multiple ways ( Whatsapp, Gmail etc.)
- ✔ Patients medical history can be shared



## Why CardiacSense?

### FOR DOCTORS

- ✔ CardiacSense Medical watch for 24/7 Arrhythmia detection, Chronic Care Management and Vital Signs Monitoring.
- ✔ Real time ECG and Vital signs of patients through cloud solution
- ✔ Early detection of deterioration helps in better patient care
- ✔ The CardiacSense Watch can be used for inpatients, outpatients, home hospitalization, elderly patients and chronic disease management.
- ✔ Instant access of Patient medical data through Doctor and hospital portal allows quick evaluation, detection and advise of treatments remotely
- ✔ The data obtained can be easily integrated into the Electronic Health Records (EHR).

### FOR HOSPITALS

- ✔ Improved healthcare delivery capabilities for hospital discharged patients
- ✔ Live dashboard of patient vital signs, live ECG capabilities and 24/7 recordings
- ✔ All in one wireless monitoring through patient medical condition dashboard
- ✔ Real time alerts, notifications, with access to patients data for quick evaluation, detection and advise of treatments remotely
- ✔ Increase the number of the patient monitored with centralized monitoring dashboard
- ✔ Improved patient retention
- ✔ Connectivity to EMR

### Approvals & Accreditations:



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