

MediFarmSoft Co., Ltd.

**CardiaI, mobile ECG device, using AI Analysis Algorithm,
Guarantees You, *Business Success!***

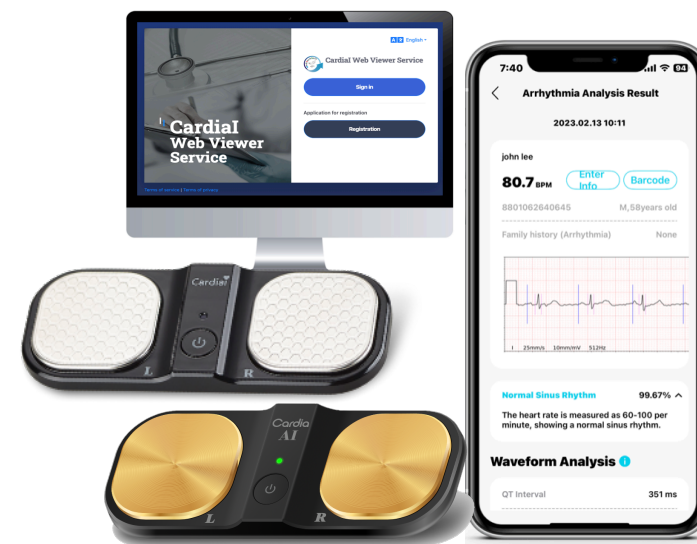
July, 2023





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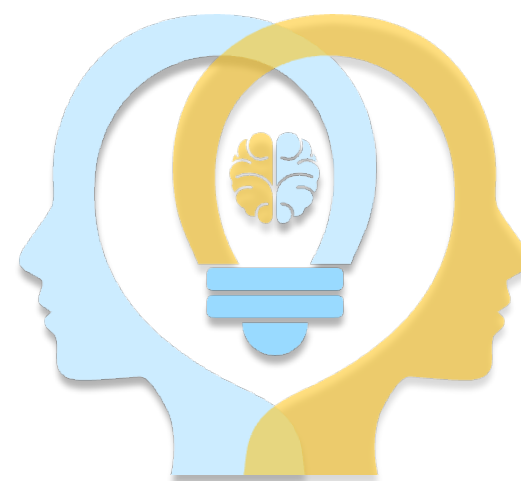
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Vision & Value

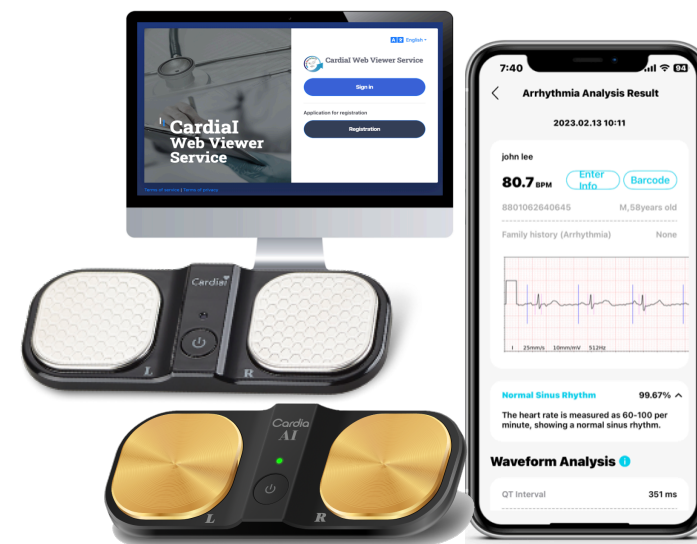
By leveraging the convergence of **medical device technology** and **AI-based diagnostic algorithms**, we will continue to provide intelligent biometric information analysis platform services to create **a healthier society**.



Innovation

Enthusiasm

Responsibility





Company Overview



Established

May, 2018



Head Office

Songpa, Seoul
Korea



Employees

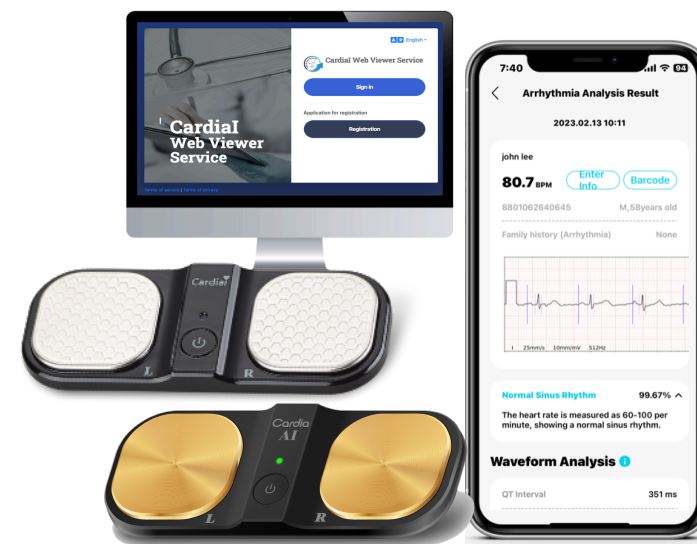
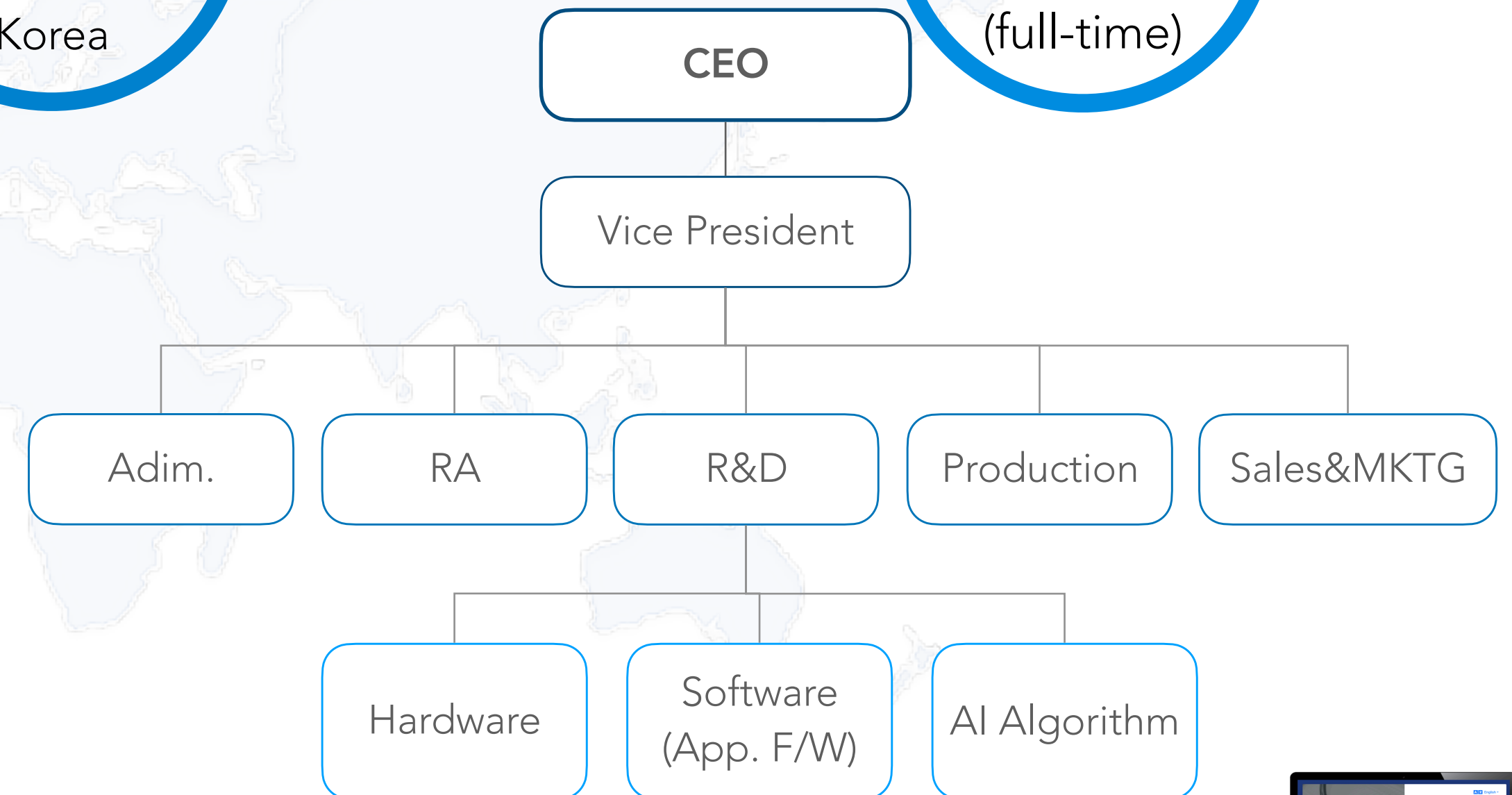
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(full-time)

○ **CEO: Jae Hu Jeon(Mr.)**

○ **Capital: 1M. USD**

○ **Business Field**

- ECG Diagnostic Devices equipped with AI-based analysis algorithm
- AI-based Software Engineering





History



2023



- Supplying CardiaI, to **189 overseas diplomatic stations of MOFA** for monitoring heart-diseases

2022



- Supply and Distribution Agreement with Karl Holdings in Philippines
- Supply and Distribution Agreement in Kenya, Nigeria and Uganda

2021



- **Clinical Study for CardiaSOFT**, AI algorithm software by SNU Hospital
- Establishment of **AI based Analysis service platform** at Amazon Cloud
- **CardiaI (CAI-100) CE Ila Approval (MDD)**
- **CardiaI (CAI-100)**, uHealthcare ECG device, **MFDS Approval (Medical Grade 3)**

2020



- CardiaI app. for Android/**WEB Viewer program for Windows**
- Venture Enterprises Certification (no. 20200401662)
- **Patent of AI based ECG Diagnostic System**
- Completion on IP-R&D Project of KISTA
- **KGMP**

2019

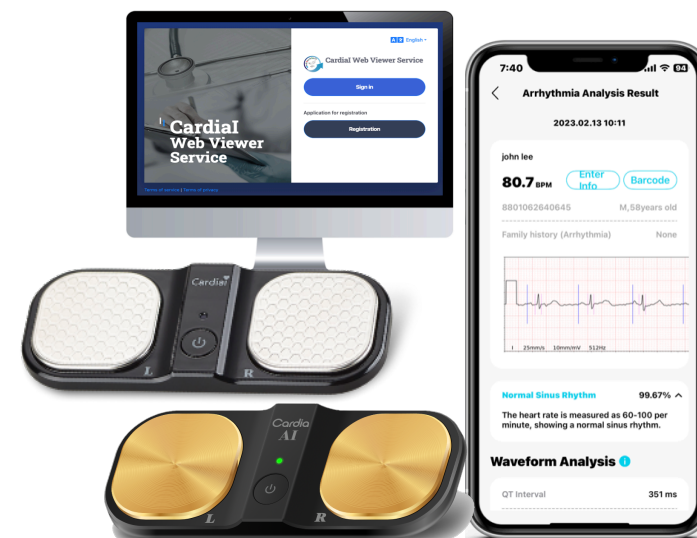


- Corporate-affiliated **R&D Institute** (no. 2019113596)
- Successful Development of World First AI Analysis Algorithm for 18 types of Heart Diseases.

2018



- IRB Approval for Providing Diseases Data by SNU Hosp.





Business Focus

01

Personal Self-Diagnostic ECG

- CAI-100 mobile self-diagnostic ECG device
- CAI-100W Cardial Windows ECG system
- CardiaI applications(Android, iOS), WEB Viewer
- Cardial non-invasive Diabetes monitoring*

02

Self-Diagnostic ECG for Hospitals

- CAI-100H ECG for hospital use
- CAI-300 Patch ECG, 6Leads, The First in Korea
- CAI-500 KIOSK, 6types of Biometric info. Analysis
- CardiaI application and WEB viewer

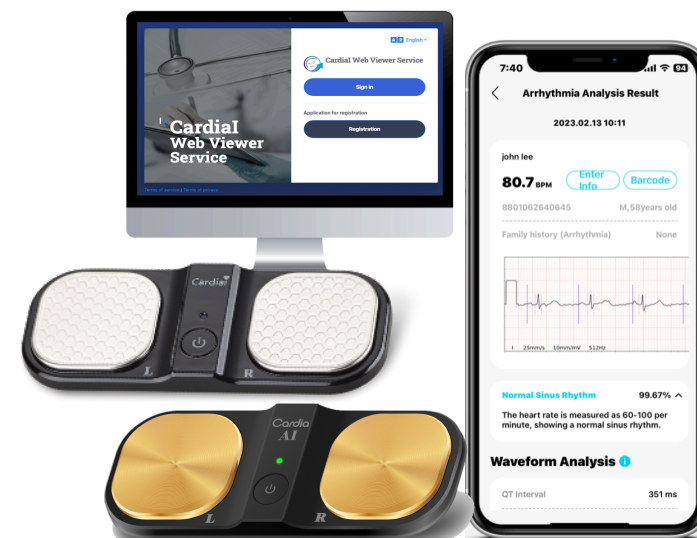
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AI based software Development

- Atrial Fibrillation Prediction Software
- AI-based Analysis Software Platform
- Optimizing xAI algorithm

* [Ref. "Nocturnal low glucose detection in healthy elderly from one-lead ECG using convolutional denoising autoencoders" Univ. of Warwick, 2019]

[Ref. "Machine-learning algorithm to non-invasively detect diabetes and pre-diabetes from electrocardiogram" Dr Hemant Kulkarni, Lata Medical Research Foundation, 2022]





R&D Plan

- **CAI-100 Personal self-diagnostic ECG device**
 - KFDA approval in 2021
 - CE MDD in 2021
 - 1 Lead, CardiaI Software & WEB viewer
- **Established AI-based ECG Analysis Algorithm at Amazon Cloud**
- **Apps. for Android & iOS, WEB-Viewer for Windows**

2022

2023

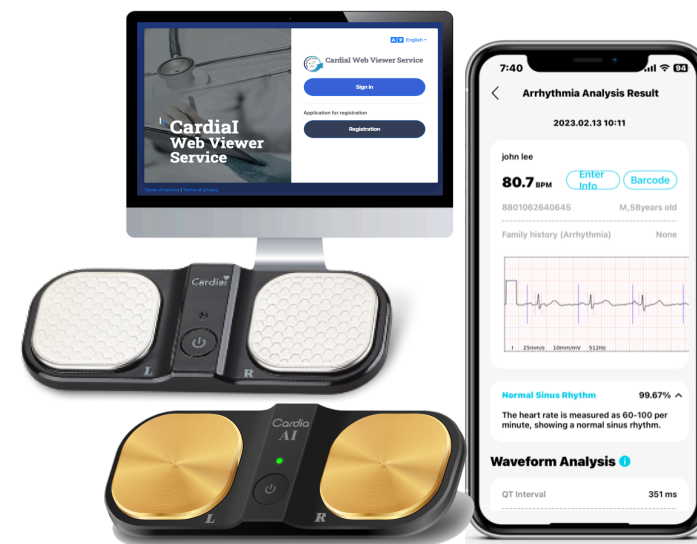
2024

2025

- **CAI-100H(for hospital use)**
 - KFDA approval in 2nd half
- **CAI-300 Holter system**
 - 6 Leads, The first in Korea, 7 days long
 - KFDA approval in 2nd half
- **KIOSK CAI-500**
 - 6 types of biometric information such as BP, pulse, ECG, body temp., inhaling, and SpO2
- **PAPS**
 - AFIB Prediction Software
 - conducting Clinical Study in 2nd half

- **CAI-100H and CAI-300 Holter system**
 - apply for FDA/CE MDR
- **KIOSK CAI-500**
 - Pilot production
- **PAPS**
 - KFDA approval
- **Non-invasive diabetes Monitoring system**
 - Collaborating R&D: Kangbuk Samsung Medical Center

- **CAI-100H and CAI-300 Holter system**
 - FDA/CE MDR approval
- **KIOSK CAI-500**
 - Commercial production
 - KFDA approval
- **PAPS**
 - apply for FDA/CE MDR





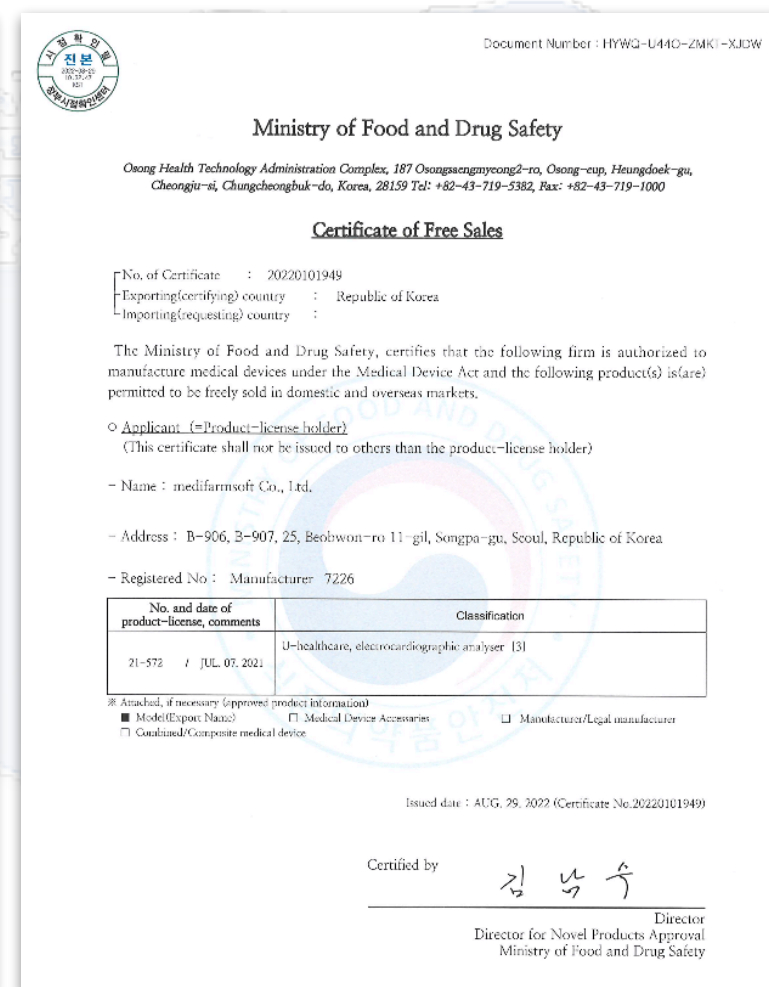
Certifications & IP



GMP



ISO13485



Free Sales by MFDS, Korea



EC Certificate

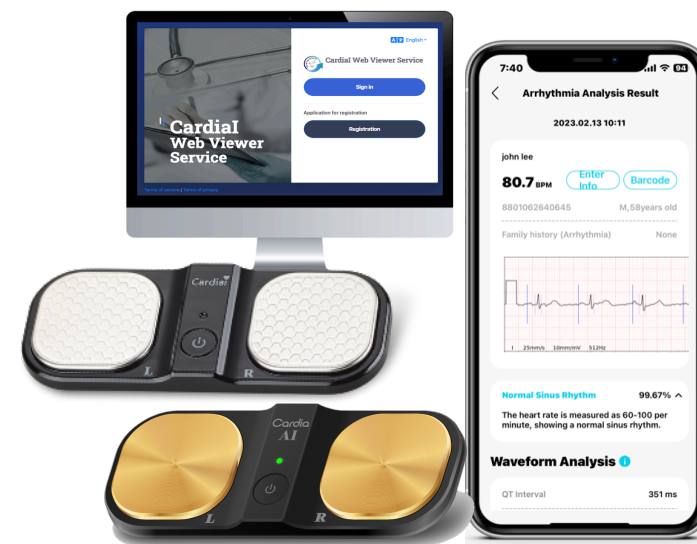


Patent

- AI based ECG diagnostic system
- AI based ECG diagnostic software system



Design Registration



**You can Monitor Your Heart Condition
anytime and anywhere
using CardiaI mobile ECG device.**

Appreciated!

- **Business Contact**

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