

NEXER



DEVELOPING A REVOLUTIONARY HEART MONITOR

BACKGROUND

Coala Life, a pioneering Swedish digital health venture, began a research journey in 2000 to develop wireless systems for digital heart monitoring and diagnosis. Their groundbreaking product, the Coala Heart Monitor, was meticulously designed for both end-consumers and professional use, setting a new standard in predicting and supporting the early detection of heart diseases. Coala Life developed its core technology in collaboration with prominent researchers, cardiologists, and other collaborators, cementing its position as an innovator in the digital health industry.

CHALLENGE

Coala Life needed to transform its innovative idea into a fully functional, medically certified product. This required integrating various components, including hardware development, connectivity, apps, cloud solutions for medical records, and an e-commerce platform to sell the Coala Heart Monitor. The challenge was to create a seamless, integrated Medtech solution that could be used easily by consumers and professionals alike.

AT A GLANCE

Company: Coala Life

Industry: Medical Device

Employees: 50 - 100

Objectives:

- . Develop a medically certified heart monitor for consumers and professionals.
- . Create an integrated solution with hardware, connectivity, apps, cloud medical records, and e-commerce.
- . Design a product for early detection of heart diseases through advanced monitoring.
- . Ensure the device is user-friendly, providing quick and easy heart rate and ECG analysis.
- . Launch a globally recognized product that allows heart monitoring anywhere, anytime.
- . Continuously improve analytics to enhance outcomes and scalability.

Products:

- . Azure IoT Hub
- . Azure Machine Learning
- . Microsoft Power BI
- . Databricks Lakehouse Platform

SOLUTION

Nexer partnered with Coala Life from the initial concept stage, working closely with them to develop the Coala Heart Monitor. Agile teams were formed to handle different aspects of the project, from hardware development to cloud integration. The collaboration involved cross-functional teams and labs, ensuring that every part of the product was meticulously developed and tested. The result was a fully integrated Medtech solution that included a journal system for medical records and an e-commerce platform.



We are continuously working on features within advanced analytics to sharpen Coala Heart Monitor's outcome and help our customer scale the solution on different markets.

BENEFITS & RESULTS

The collaboration between Coala Life and Nexer resulted in the creation of the Coala Heart Monitor, a revolutionary product that is CE-certified (CLASS II) and ready for use. The device records heart rates and measures ECGs quickly and easily, providing near real-time analysis based on advanced algorithms. Since its launch, the Coala Heart Monitor has received numerous awards and global recognition. Most importantly, it fulfills Coala Life's mission to enable the monitoring and analysis of heart activity anywhere, anytime, and by anyone. Continuous advancements in analytics are being made to enhance the product's outcomes and support its scalability in different markets.

Find out how Nexer Insight can help your organisation:

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