



LIVMOR

Wearable system for home-based Patient Care

About the Customer

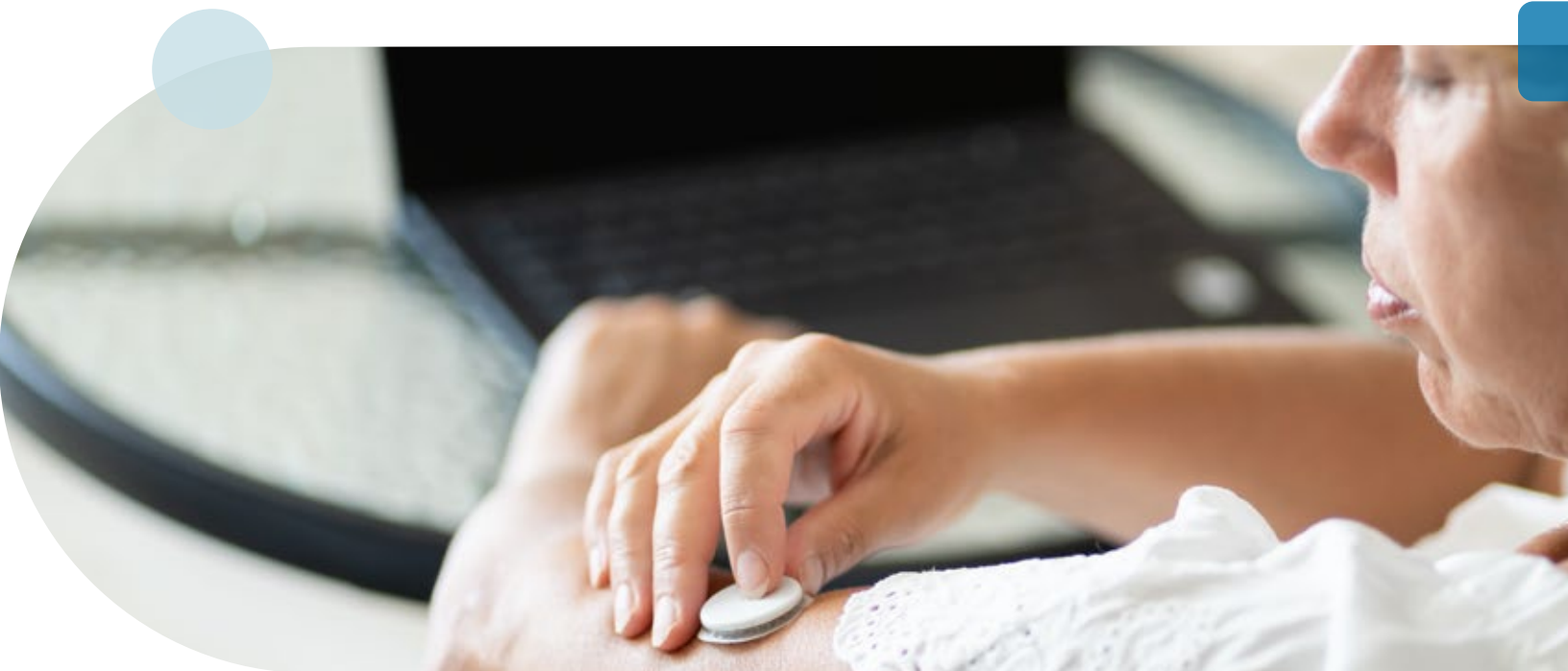
LIVMOR is a digital health company dedicated to preventative and on-going patient care aiming at revolutionizing remote patient monitoring and connected healthcare technology.

Business Challenge

LIVMOR and our Samsung Enterprise Alliance Program partner wanted to develop a medical-grade, fully-integrated home-based patient care platform that could provide continuous monitoring of the patients' cardiovascular system in any setting.

Solutions

HARMAN helped the customer in defining the product better and engineered a cost optimal solution for them to help develop the first prescription-based, FDA regulated, fully automated smartwatch, that can detect all forms of Atrial Fibrillation.



Key Solutions Highlights

Some of the key solutions provided by HARMAN for enabling the monitoring of cardiovascular system parameters are:

HARMAN IP:

Test harness automation suite – customized for LIVMOR to support mobile, wearable and web apps



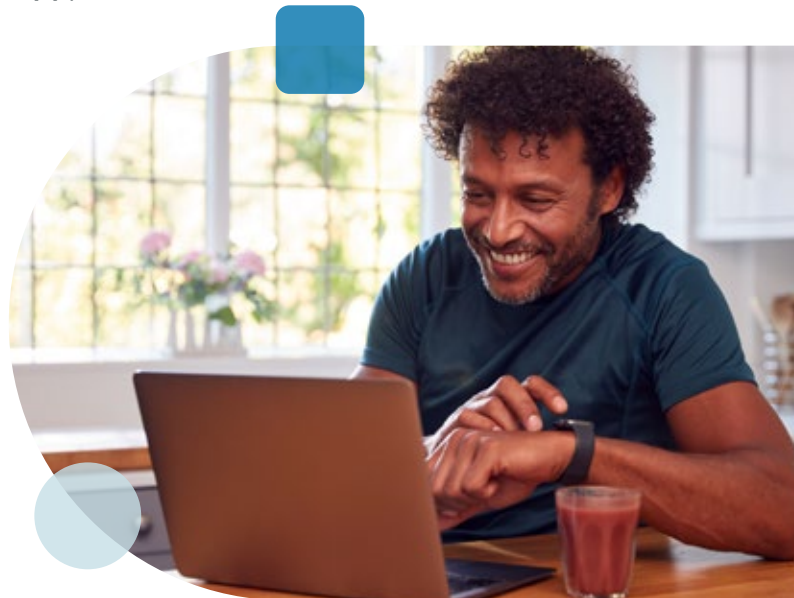
Architecture:

AWS cloud-based scalable architecture with ability to:

- Plug wearable app readings
- Generate insights for single or set of users
- Full-featured Java SDK for easy integration with solution tech-stack (J2EE Spring MVC based web app)

Experience:

- Wearables based Remote Patient Monitoring
- ISO13485 compliant software solution development
- Support in technical documentation for FDA submission
- Bluetooth communication with wearables
- Epic EMR integration



Results

- First version of ready-to-market solution delivered in 15 months and two subsequent variants in 9 months
- LIVMOR filed for US FDA 510(k) submission in optimal timeline
- Turnkey solution involving – Wearable, mobile and web portal apps



Key highlights

- Highly agile work environment with quick turn-around-time aligning to startup priorities
- Securely protected patient health information storage
- Basic analytics to create daily and weekly snapshots using patient readings
- Connectivity with Nokia Withings cloud and EPIC EMR*
- Technical documentation support for US FDA 510(k) submission
- Automation and performance testing suites
- Marketing website
- Cross-functional team with diverse skillsets, multiple roles played by each team member
- Incremental deliveries and feedback incorporation

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