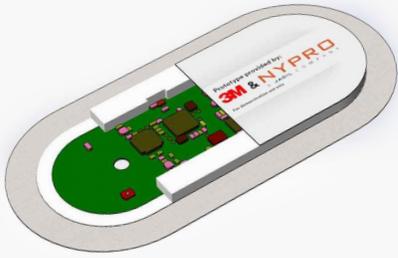


INNOVATE FOR TOMORROW – TODAY

INNOVATION. COLLABORATION. SPEED TO MARKET.

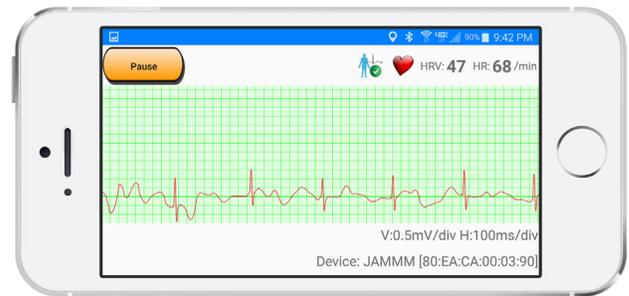


Medical device complexity continues to rise and Nypro, a Jabil Company, helps customers harness innovation and technology to solve unique challenges. Thanks to our broad customer and partner portfolio, we have the perspective to understand how to bring new combinations together to solve new problems as they arise.

That's why we collaborated with an industry leader such as 3M in the design of a flexible prototype wearable device to explore the complexities and needs that design engineers face when creating wearable medical devices. By leveraging 3M's unique and innovative stick-to-skin materials and our capabilities in sensors, software, and integrated electronics systems technologies, we further our understanding of wearable design issues.

As industry leaders in design, engineering, manufacturing, and digital supply chain solutions, we bring you access to capabilities and technologies that will accelerate your product innovation and time to market. Our breadth and depth of experience in these areas will enable you to be in a better position to pioneer the next generation of break-through medical devices.

The Nypro/3M collaborative concept prototype is a low-power, disposable, wearable patch designed for measuring real-time single-lead electrocardiogram (ECG) and fall episodes from a tri-axis accelerometer. The design criteria included wear time of seven days, use of novel embedded systems design methodology, and a sophisticated platform for individuals interested in monitoring their cardiac well-being. The Bluetooth low energy (BLE) enabled, disposable ECG patch comprises of printed Ag-AgCl electrodes and components integrated on a single flexible hybrid printed circuit board (PCB) with an average current consumption of 3.6 mA from a 3.0 V stack of four flexible Lipoly batteries.



For more information, please visit www.Nypro.com



DISCLAIMER: This is a prototype only, not cleared by the FDA, for demonstration of collaboration only.

NYPRO
A JABIL COMPANY

IN COLLABORATION WITH:

3M