

Insego helps connect first responders with remote diagnostics

About Royal Philips

Royal Philips (NYSE: PHG, AEX: PHIA) is a leading health technology company focused on improving people's health and well-being, and enabling better outcomes across the health continuum – from healthy living and prevention, to diagnosis, treatment and home care. Philips leverages advanced technology and deep clinical and consumer insights to deliver integrated solutions. Headquartered in the Netherlands, the company is a leader in diagnostic imaging, image-guided therapy, patient monitoring and health informatics, as well as in consumer health and home care. Philips generated 2020 sales of EUR 19.5 billion and employs approximately 82,000 employees with sales and services in more than 100 countries.

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Insego's USB8 modem brings reliable internet connectivity to remote diagnostics

Overview

A 60-year-old man fell from scaffolding on a job site. He sustained a critical head injury with low levels of consciousness. He also had some external signs of a right-sided chest injury and the need to perform an endotracheal intubation to secure the airway and improve the patient's ventilatory state. The helicopter emergency services (HEMS) crew on-scene telephoned the Air Ambulance supervisor to discuss the need for pre-hospital anesthesia, which is required for the procedure.

Following the call, the supervisor remotely 'watched' the anesthetic in real-time on the Philips IntelliSpace Corsium, a web-based software platform that captures rich levels of on-scene clinical and patient data. A few minutes later the supervisor noticed the oxygen saturation dropped to low/mid 90s. This alerted the supervisor that the patient had might have had a life-threatening tension pneumothorax. As the crew on scene were in the process of moving the patient, they may not have noticed the acute change in physiology.

Philips' Tempus Pro advanced monitor is designed for exactly his type of situation. Using 4G connectivity, it can quickly and securely relay information from first responders to medical personnel, giving doctors and paramedics the extra time they need to prepare their response.

BY THE NUMBERS

35%

Emergency medical technicians state that telemedicine improves pre-hospital diagnostics.

> [Link to source](#)

41%

Emergency medical service professionals believe that reliable telemedicine greatly impacts destination decisions.

> [Link to source](#)

21%

Reduction of ER admissions a result of having patient results available at the time of paramedic assessment (UK).

> [Link to source](#)



Use case

Because of its small size, ease of use, and secure, reliable connectivity, the Tempus Pro is suitable for any emergency medical situation. Whether the user is an EMT, a paramedic or a firefighter pulling an injured person from a building, an Army medic prepping an injured soldier for a front-line surgical unit, the Tempus Pro can relay vital information from first responders to medical personnel.

Problem/Challenge

For all its technological wizardry, the Tempus Pro is only as effective as its cellular connection. An unstable or insufficiently robust connection could cost valuable seconds as information fails to transmit. An insecure connection could make the information flow vulnerable to others listening in—increasing the risk of a public panic or endangering the privacy of a patient. And an excessively complicated or difficult-to-use modem could waste time and resources as first responders struggle to connect with medical personnel. The Tempus Pro's modem has to be secure, easy to use, and needs to have a robust connection.

Results

With the Tempus Pro powered by the Inseego USB8, medics can securely stream and share all the patient data in real-time to enable informed treatment and transport decisions.

About the USB8

When you need fast, secure, convenient connectivity anywhere, the versatile USB8 shines. With 4G LTE (Cat 18) speeds, it's the fastest commercially available USB modem in the U.S.



This plug-and-play modem provides a reliable LTE connection for laptops as well as primary or fail-over communications for kiosks, vending machines, IoT devices and more. With enterprise-grade security features, it meets stringent requirements for first responders and government users.

Learn more about the USB8 at inseego.com/products/mobile/usb8/ or [contact Inseego](#) to learn more about our solutions.

Solution

Inseego's USB8 modem is the solution. With 4G connectivity, it offers the safety, simplicity and strength the Tempus Pro needs. It is:

Robust:

The Inseego USB8 boasts the most reliable performance in the industry, making it the dependable, high-performance option needed in an emergency. Additionally, it is designed to connect to LTE, HSPA+ and UMTS bands, so it can be deployed around the globe, offering a safe, secure connection wherever it's needed.

Easy to use:

Designed for plug-and-play, the USB8 requires minimal training, and does not require an external battery—all of which means that first responders need minimal additional training prior deployment. More importantly, its simplicity means they can focus on responding to an emergency, not on operating the equipment they're using to report it.

Compact:

Slightly longer than a credit card, the USB8 is the smallest available modem of its kind. It is easily deployed in planes, ships, trains, malls, stadiums, and anywhere else that may need a safe, secure and robust connection to paramedics, police, firefighters, and other emergency personnel.

Fast:

The USB8 delivers fast and reliable LTE speed, making it possible to convey large amounts of data almost instantaneously. Its plug-and-play design enables first responders to connect to emergency room personnel quickly and securely.



About Inseego

Inseego Corp. (Nasdaq: INSG) is an industry leader in cellular device-to-cloud solutions that enable broader coverage, multi-gigabit data speeds, low latency, and strong security to deliver highly reliable internet access. Our innovative mobile broadband, fixed wireless access (FWA) solutions, and software platform incorporate the most advanced technologies (including 5G, 4G LTE, Wi-Fi 6, and others) into a wide range of products that provide robust connectivity indoors, outdoors, and in the harshest industrial environments. With all critical IP designed and developed in the USA, Inseego solutions build on the company's patented technologies to provide the highest quality wireless connectivity for service providers, enterprises, and government entities worldwide. > inseego.com

