

Bittium

Bittium Faros™ Success Story ECG On-Demand



ECG On-Demand Becomes Even More Mobile

Utilizing the Bittium Faros™ ECG device Medical Service Provider Technomed provides a comfortable ECG On-Demand® mail-order service for cardiac patients.

The healthcare industry across Europe is facing challenges. Lack of clinical resources is but one of them. Another is the fact that health services in many countries function on public funding. The growing demand for services must therefore be met with a limited budget. This can lead to long waiting times for examinations such as ECG monitoring of patients with cardiac symptoms.

Intelligent medical devices and innovative services present an opportunity to tackle this challenge. They form the basis for more time- and cost-efficient health services while sustaining the quality of medical care.

Intelligent medical technology as a crisis helper

The health system is known not to take up new services and processes at lightning speed. With the outbreak of COVID-19, however, the demand for a “contactless”

way to provide ECG services exploded. The reasons: visits to a clinic or health care facility were no longer possible for many patients due to isolation measures, risk of infection, and the overextension of healthcare facilities. In many clinics and practices, in-house ECG Holter fitting ceased during the pandemic. A new service model was able to step forward and prove that high quality heart monitoring is now possible without patients having to leave their homes.

With the ECG On-Demand® mail-order service by cardiological diagnostic service provider Technomed Ltd. from Great Britain, the mobile ECG device Bittium Faros™ is delivered directly to the patient's home by a courier service. The mail-order service enables cardiac arrhythmia examinations without hospitalization or visits to a medical facility. This helps reduce stress for both the patient and the cardiology department, and gives clinicians quick access to the necessary diagnostic results to initiate treatment.

Technomed Ltd

Technomed Ltd is an award-winning UK based, CQC inspected cardiology diagnostic service providing immediate 12-lead ECG interpretation and same-day Holter monitor analysis.

As experts in ECG rhythm analysis to support clinical decision making, improve reporting times and increase accuracy, we are trusted by leading NHS hospitals and prestigious private healthcare institutions throughout the UK. We were the first to develop an automated traffic light risk rating system for ECGs and our unique proprietary technology is proven to deliver consistent optimal patient management.

For more information, please visit
<https://ecg-od.com>

FOR MORE INFORMATION, PLEASE CONTACT:

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Bittium Faros™ Success Story

ECG On-Demand®

Recording quality, ease of use and comfort are key

The basis for any ECG examination is the recording device itself. It needs to fulfil all necessary medical certifications, deliver high quality recordings as well as the required reporting options and connectivity features. For long-term recordings it also needs to be comfortable and durable, so it does not become a hindrance for the patient's daily life. Another key element for a remote mail-order service is its ease of use.

"We needed an ambulatory ECG monitor that was easy enough for a patient to fit themselves whilst providing a high-quality, low artefact ECG recording for our analysts. The Bittium Faros™ device fulfilled these requirements perfectly", states Mark Hashemi, Managing Director of Technomed. "The devices were configured to start recording automatically on skin contact. The waterproof nature of Faros and electrodes meant the monitor was truly "fit and forget" for monitoring for up to 7-days. Our average test success rate of 97 percent for patient self-fit monitoring speaks for itself."

Logistics and support for a hassle-free application

The idea of offering an ECG-on-demand as a dispatch service was already under development. But with the COVID-19 breakout, for Technomed the demand for an alternative ECG monitoring service without visits to a healthcare facility practically exploded. The team mobilized all resources for the organization of the logistical processes to support patients and medical professionals in this crisis.

In addition to coordinating the delivery of devices to patients via a courier service, a telephone service was set up to guide patients seamlessly through the process. Video instructions and a manual with detailed instructions form the basis for the easy fitting and use of the ECG device. The Bittium Faros™ Holter device is delivered with hypoallergenic long-term electrodes. It is configured to start recording automatically on skin contact, which makes the handling particularly easy for the patient. An app supports the recording of symptoms.

High market demand and international interest

Physicians' feedback has been praising. The service offer has drastically shortened waiting times and enabled the essential cardiological diagnostics without the need for in-person appointment. Patients have reported the service to be professional, efficient and the application easy to use. Today Technomed works with leading NHS and private hospitals in the UK, while international cooperation includes research projects with institutions such as the German Institute of Cardiovascular Medicine, the Herzzinstitut Berlin.

"Smart medical technology-based end-to-end services have the potential to help tackle many of today's most significant challenges for our healthcare systems", said Arto Pietilä, Senior Vice President of Medical Technologies at Bittium. "We are extremely pleased to see how committed healthcare service providers such as Technomed utilize our medtech products to support patients and healthcare professionals."

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Mark Hashemi,
Managing Director,
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Picture: ECG On-Demand® Mail Service Box
(Picture rights: Technomed Ltd)