

Keeping hospitals up to date with vital oxygen flow data

Customers of SHJ Medical Gas Specialists have long been able to track the performance of their medical gas alarm systems using Evolution, which offers a remote multi-site monitoring and alert service 24 hours a day, seven days a week.

Now SHJ has developed FLO₂, an Evolution ‘add-on’ which monitors in real-time flow rates from oxygen flow meters. Readings are updated every minute in K’nect, SHJ’s cloud-based customer data portal, helping engineers track oxygen use ‘anytime, anywhere’. The system alerts users by email and text when oxygen supplies are under threat, allowing a swift response.

SHJ has installed flow meters and FLO₂ in several large London hospitals which have found the demand for oxygen threatening to exceed supply during the COVID-19 pandemic. The company says the new system is helping hospital managers analyse and optimise their oxygen use with greater accuracy than ever before.

SHJ said: “Evolution is a vital tool to improve



situational awareness of medical gas plant, and help healthcare engineers address issues and enhance productivity. It harnesses advances in AI and machine learning to remotely collect and process data in real-time. Equipped with sensors and alarm panels over Internet of Things (IoT) networks, this new data-driven model is dramatically changing the landscape of the medical gas sector. Qualitative and quantitative data analysis drives a next-generation decision support and

change actioning system to optimise the efficient operations of medical gas systems.”

To explore how FLO₂ and Evolution could transform your management of oxygen flow and medical gas alarms, please contact SHJ.

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