

NEWS ANNOUNCEMENT

Lifelight® & Karantis360 partner

to deliver ground-breaking social care remote patient monitoring

Latest UK AI-driven tech combines to provide the first plug and play solution that can obtain behavioural data and clinical observations side-by-side for a holistic view of an individual's wellbeing

London, 13th October 2020: Lifelight and Karantis360 are excited to announce a partnership which will enable safer independent living for older and vulnerable individuals. The integrated solution can support early hospital discharge and prevent hospital admission by empowering clinicians and care providers to make informed decisions based on the complete picture of an individual's health, in real-time - particularly critical during the pandemic.

Lifelight, developed by xim Ltd. is a highly innovative technological solution that allows completely contactless measurement of vital signs in just 40 seconds using a standard smartphone or tablet, with no additional hardware. The technology works by detecting tiny changes in facial skin colour that occurs each time the heart beats - including heart rate, blood pressure, respiration and oxygen saturations*. Lifelight is the only [rPPG](#) platform built to rigorous medical grade ISO 13485 and IEC 62304 standards.

Karantis360, the at-home monitoring and predictive care management solution, has been designed to transform the delivery of care for people with physical and mental health needs. Harnessing innovative AI technology, Karantis360 makes independent home living possible, and possible for longer, leading to happier and healthier lives.

The combined power of Lifelight's vital signs monitoring solution integrated within the Karantis360 at-home healthcare platform delivers an unprecedented and holistic remote view of a person's wellbeing - allowing not only for timely interventions, but also the appropriate clinical actions based on real-time behavioural and physiological data.

The solution provides reassurance to caregivers and family members by delivering a complete picture of the wellbeing of the person in a care setting. Any changes in normal daily routine or vital sign readings – which could point to a potential problem – will be indicated via automated alerts sent to the care provider and family members.

Running on the IBM Cloud, the Karantis360 solution uses IBM's AI and advanced analytics in conjunction with a network of smart sensors to identify and learn an individual's typical behaviour. Lifelight also uses AI technology for the development of its algorithms, meaning the integrated solution is constantly being enhanced, and so performance improves as the algorithms train on new data, allowing continual optimisation.

Laurence Pearce, CEO and founder of Lifelight comments, "We're energised by our partnership with Karantis360 and the ability to further support care providers, especially during the pandemic. Our joint solution allows behavioural and vital sign readings of individuals in their homes and care settings to be taken regularly, safely and has optimised clinicians' workflow. It saves the need for emergency call outs, unnecessary patient travel and added disruption.

As we've seen, Covid-19 has meant phone and online GP consultations are taking over face-to-face appointments, but often physical observations still need to be done and our solution can reduce many of those appointments, improving patient care and supporting clinical decision-making."

Helen Dempster, founder and Chief Visionary Officer, Karantis360, adds; "The partnership with Lifelight represents a key step forward for Karantis360 and social care. With embedded contactless vital sign monitoring it's possible for the first time to obtain behavioural data and clinical observations side-by-side, from not only older patients but those with learning disabilities, mental health problems or even dementia. Underpinned by AI, this ensures that the solution is forever improving and continues to lay the foundations for wider population health screening and data-driven insights, driving optimal standards of care."

* Oxygen Saturations - *Coming Soon – in accelerated development*

Notes for Editors

Both Lifelight and Karantis360 have been named as suppliers on Crown Commercial Service's (CCS) – Spark – the Technology Innovation Marketplace to enable government and public sector to access new and emerging technology products.

Spark Dynamic Purchasing System uses a filter system to help customers find relevant suppliers. The filter system includes defined technology areas, developed with customer input, and focuses on emerging technologies predicted to make the largest impact over the next two to five years.

To find out more about CCS, visit: www.crowncommercial.gov.uk

About Lifelight

Lifelight is a game changing technology that allows any smartphone or tablet device to measure blood pressure, pulse, breathing rate and oxygen saturations* simply by looking into the device's built-in camera for 40 seconds. Completely contactless, with no additional hardware needed, it saves healthcare staff time while improving the patient experience. Lifelight is the only [rPPG](#) platform built to rigorous medical grade ISO 13485 and IEC 62304 standards. Lifelight has the potential to enable patient-taken remote observations, leading to safer, easier and more effective remote triage and monitoring.

* Oxygen Saturations - *Coming Soon – in accelerated development*

For more information about Lifelight, please visit: <https://lifelight.ai/>

About Karantis360

A new development in assisted living; Karantis360 has been designed to transform the delivery of care for people with physical and mental health needs. Harnessing innovative technology, Karantis360 makes independent home living possible, and possible for longer, leading to happier and healthier lives.

For more information about Karantis360, please visit: <https://karantis360.com/>

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