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Europe Invests in IoT Research to Help Healthcare



The European Commission has launched [IntelloT](#), a three-year project with the aim to facilitate remote care provision by hospitals using the Internet of Things.

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It is expected that through the use of human-centred autonomous technologies, such as biometric sensors and remote health assistance, the new project would help alleviate care delivery during the COVID-19 pandemic but also with any future outbreaks.

Focussed on the development of humanised IoT and AI devices and systems, IntelloT is a consortium of 13 partners from 9 countries, which include Aalborg University (Denmark), University of Oulu (Finland) and University of Crete (Greece) among others as well as industry participants such as Siemens AG and Philips. This pan-European research and innovation project is supported by the European Commission with €8 million funding.

Healthcare, together with agriculture and manufacturing, are the key application areas for the solutions that IntelloT is hoped to create enabling technologies such as 5G, cybersecurity, distributed technology, Augmented Reality and tactile internet. The ultimate goal is to provide healthcare professionals and organisations with more efficient ecosystem with patients' needs and well-being at the centre, where patients are able to get timely healthcare advice without the need to transfer a large amount of data to central premises.

One of the IntelloT subprojects is collaboration between the University General Hospital of Heraklion in Greece and Philips. The partners are working to support the remote care of patients with cardiovascular diseases, focussing on AI-driven diagnostics via mobile sensors and evaluation of new tech architectures with end-users. If efficiently set up, remote care would allow for less unnecessary hospitalisations and thus reduce pressure on hospitals and healthcare costs and improve quality of care, especially during the COVID-19 pandemic.

According to Rolf Riemenschneider, Head of Sector for Internet of Things at the European Commission, the pandemic has highlighted the need "to rethink healthcare". "Accelerated through COVID-19, IoT applications now need to look beyond connecting a variety of different wearable devices, by adding intelligence, autonomy and security to the IoT edge node, close to the users," he notes.

The European Commission has allocated about €80 million, within its [Digitising European Industry](#) strategy, to the development of interoperability mechanisms for integrating healthcare devices into our daily lives. [IntelloT](#) is one of six actions initiated by the Commission this year with the budget of about €48 million and focussed on "Next-Generation Internet of Things" powered by 5G.

Source: [PR Newswire](#)

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Published on : Fri, 6 Nov 2020