

## Newlife: New remote non-invasive monitoring solutions for ensuring the health of mothers and babies before and after birth

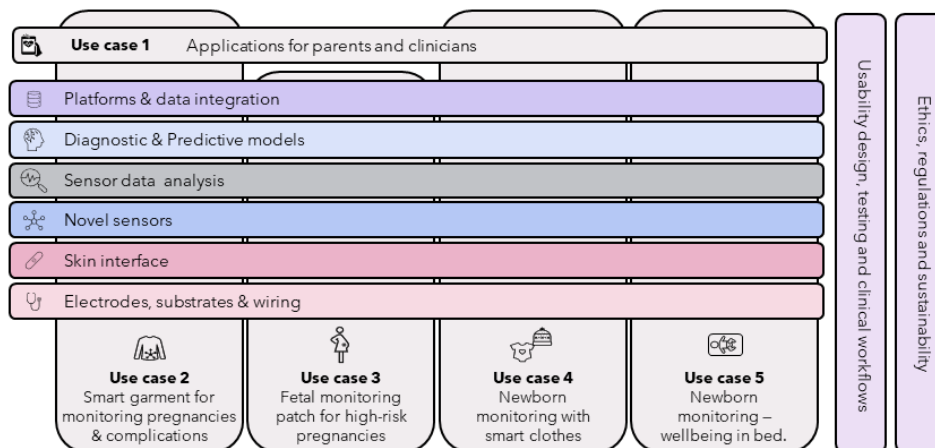
Newlife, an extensive EU project, aims to secure the health of mothers and their babies by developing novel holistic non-invasive monitoring solutions. This ground-breaking consortium project is funded through the Key Digital Technologies (KDT) Joint Undertaking with a total funding of 19,3 M€, co-financed by the project partners with a similar investment.

KDT Joint Undertaking awarded “Newlife: New remote non-invasive monitoring solutions for ensuring the health of mothers and babies before and after birth” a total of 19,3 M€ funding (6,2 M€ EU funds and 13,1 M€ national funds). The project started in 2023 and it will develop new holistic non-invasive monitoring solutions to remotely ensure the health of mothers and babies before and after birth. The funding is a great achievement and a big step towards driving innovation that improves the wellbeing of a mother, her child, and the family overall.

The target is to develop innovative non-invasive technologies for gathering vital data, advanced AI/ML methods for their analysis and cloud-based solutions for their presentation to be able, in this way, to safeguard life in its most vulnerable phase. For clinical acceptance, the developed solutions need to be well integrated into clinical workflows with proper data integration, security, safety, and medical qualification.

The technologies and solutions developed are demonstrated via five use cases for both hospitals and home environments (personalized monitoring): 1) Pregnancy & parent companion, 2) Smart garment for monitoring pregnancies & complications, 3) Fetal monitoring patch for high-risk pregnancies, 4) Newborn monitoring with smart clothes, and 5) Newborn monitoring — wellbeing in bed. With the developed solutions, the Newlife project will contribute to the disruption of health care models by focusing on preventive actions rather than treating illnesses, and by moving healthcare from hospitals to home environment.

The Newlife project, coordinated by Philips Electronics Netherlands, consists of a large consortium of 25 partners from 6 different European countries. There are eight Research & Technology organisations, thirteen small and medium-sized enterprises (SMEs) and four large corporations (such as University Hospitals) from Finland, Germany, Ireland, the Netherlands, Sweden, and Switzerland. The consortium will gain from the expertise of each of its members to create a cluster whose synergy will accelerate innovation, ultimately benefitting the health of mothers and babies around the world.



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