Digital Wellbeing

SmartSound Home

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Safety with respect

SmartSound Home is an AI-based safety and wellbeing solution for home care. It recognizes and analyses sound events that affect the safety and wellbeing of a resident, and informs the findings to health care professionals when necessary.

Societies are ageing, and the amount of those needing assistance and care in their home increases. In 2060, the share of the population over 65 is 32 % in the EU, if current trends continue. SmartSound Home is a fully automatic safety monitoring solution, that provides technological help in the coming challenges. It analyses the sound environment in customer's home, and lets health care professionals know when an intervention is needed.

It does not analyze or record personal information. SmartSound Home is helping the elderly to live longer and safer in their own homes, and to keep their privacy at the same time.

Competitive Advantages

SmartSound works 24/7 with regular infrastructure, it does not require any learning from the customer, and it protects everybody's privacy.

Target Markets

SmartSound Home is a solution for both private and public home care providers everywhere where customer's privacy is respected. Our primary markets are in the Nordics and in the EU.

Status/ Traction

SmartSound Home is a joint effort of Tampere University, Mehiläinen and Mativation from Finland, and Minut from Sweden. In 2020 the technology is piloted in Finland with Home Care providers.

Road Map

In the coming years, SmartSound Home can be integrated with all the major home care patient information systems in the target markets.

Leveraged Technologies

In the core is AI powered sound recognition system basing on state-of-the art deep neural network architecture. Technology has been validated to produce good and robust sound recognition. Privacy preserving audio analysis will be formed by transforming captured audio into a non-reversible privacy preserving data format in the sensor node. Deep neural network architecture, extensive audio

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SmartSound Home is an innovation activity proudly supported by EIT Digital.

EIT Digital supports entrepreneurial teams from research and business organisations in launching new startups and new products in agile 12-month projects called innovation activities. These activities are embedded in EIT Digital's European ecosystem and receive a financial co-investment to package their technology, sign up customers and attract investors.

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