

# **WELLBEING AND ENERGY EFFICIENCY IN LIVING**

Applying the demand and user-driven open innovation methodology for creating wellbeing and energy savings







Enhancing elderly people's wellbeing and supporting their ability to live independently at home is one of the great challenges of the future. The main objective of the Wellbeing and Energy Efficiency in Living project is to develop demand and user-driven solutions and services in order to promote elderly people's wellbeing and energy efficient lifestyle. One aim is to tap into the understanding of customer needs in the wellbeing field along with expertise related to the application of high technology. Energy audits are implemented in order to improve building energy efficiency.

The project develops new services and solutions that promote

- wellbeing and functioning of the elderly
- cost and energy efficiency of living
- sustainable development

The project applies the demand and user-driven open innovation methodology, thus bringing together the various stakeholders including municipalities, service providers, public authorities and technology suppliers who together define the functionality of the new economical and ecological services.

The project is an umbrella for six subprojects which all include piloting of the developed solutions.



## Elimäki ja Koria: Puustelli assisted living residences

Puustelli is an association that provides nursing and assisted living services for elderly and disabled people through intensive assisted living housing, assisted living housing and independent senior housing.

In Puustelli's assisted living residences in Elimäki and Koria new services and solutions are developed in order to increase residents' sense of safety and communality and to decrease loneliness by

- evaluating the essence of loneliness and security in assisted living
- promoting the sense of communality and security

The lessons learned are evaluated and new recommendations for assisted living are produced based on the experiences and results of the project.



## Helsinki: Loppukiri senior housing community

Loppukiri is a housing community for mid-aged and elderly people who also collaborated in the design of the building.

In Loppukiri the new services are continuously designed in order to

- facilitate and support the ability to live independently at home and as part of the community
- promote the residents' wellbeing and functioning

The lessons learned at Loppukiri will be utilized for supporting the development of another similar housing community to be built in Kalasatama, Helsinki.





### Lappeenranta: Health care service car Mallu

Mallu is a health care service car that provides mobile health services for elderly people and nursing services in dispersed settlement areas.

The concept will be further developed to include wellness services in order to

- increase the amount of services that Mallu provides
- facilitate and support the elderly people's ability to live at home independently, safely and more energy efficiently

The target group consists of the customers of Mallu as well as people living in the residential areas located along Mallu's service route.



## Mäntsälä: Osuustie assisted living residence

The Osuustie assisted living residence in Mäntsälä provides assisted living services for elderly people. The services include for example home care and catering services.

In Osuustie the aim is to design new services in order to

- increase residents' sense of safety and community
- maintain the residents' functioning and ability to live at home

The main target group is the residents and the personnel of the residence.





## Porvoo: Palomäki assisted living residence

The Palomäki assisted living residence provides assisted living services to people who require services round-the-clock; i.e. for people with memory disorders, disabled people and elderly residents.

In Palomäki new service products are designed in order to increase

- residents' wellbeing and sense of community
- implementation of technological solutions that promote energy efficiency and safety

The aim is to improve the quality and amount of the offered services and to enhance the residents' quality of life.





## **Salo: Hakastaronkatu 15**

Hakastaronkatu 15 is an apartment building owned by the municipality of Salo. The residents are students with multicultural backgrounds and guests of Turku University and Turku University of Applied Sciences.

In Hakastaronkatu 15 the aim is to

- develop a procedure for proprietors of rental buildings which supports the creation of satisfying living experience and safety as well as energy efficiency, and which can be applied elsewhere as well
- audit the energy consumption baseline and promote energy efficient lifestyle i.e. by providing real time and easily accessible energy consumption data to the residents

The target group is both the long term and the short term residents of municipally owned apartment buildings. Special target groups are those eligible for state-subsidized housing on social grounds, elderly people and people who need other support in living. The aim is to prevent social exclusion and to increase the energy efficiency of the building.



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## Project partners



## Funding organisations

