Seamless access to smart devices regardless of vendors are among VICINITY's objectives. The large amount of data being generated will open for a lot of new value-added services.

VICINITY uses an approach to configure and share information similar to social networks. Users can set up and integrate smart devices based on desired services, security and privacy.

Users without technical backgrounds will be allowed to generate information that can be shared with the ecosystem of Internet of Things.

Additionally, by combining services that supports user-specified access, new opportunities are created across implementations and vendors.

The VICINITY platform will demonstrate various use cases. The objective is to demonstrate the feasibility of solutions in different contexts and configurations.

Healthcare

Improved home care and assisted living through use of health profiles and realtime information.

Smart homes and cities

Exchange of data from remote sensors regardless of standards and based on user preferences.

Parking and mobility

Optimised parking based on historical data, user preferences and needs.

Energy and smart grid

Marketplace for exchanging energy flexibility and realtime calculation of energy profiles.

The concept will be implemented in several large-scale installations. 8 facilities in 9 European countries will demonstrate how the VICINITY platform can be integrated in areas like smart energy microgrid, automation in smart buildings, healthcare and mobility solutions.

New value-added services such as micro trading of energy, smart management of urban areas and business logic using the Internet of Things, are examples of potential the platform offers.

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Tinymesh

VICINITY

VICINITY will demonstrate how smart devices can communicate and share access without losing control over the ownership of the data.

Conservative estimates indicate there will be more than 50 billion smart devices by the year 2020. The entire society will profit from their ability to communicate.

VICINITY2020.eu

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