



Together for a safe home

Theben, Future-Shape and ProKNX aim to cooperate in the field of AAL / Fall monitoring and call for help possible

Höhenkirchen-Siegersbrunn, 14.05.2024 - Living in your own four walls into old age is not only the wish of most people, but also a social necessity. This independence can be supported by a whole range of technical equipment. The term "Ambient Assisted Living", or AAL for short, covers various technologies that help people who are no longer fully mobile or even in need of care to manage their everyday lives. Age-appropriate assistance systems range from simple adaptations of mobile phones to complex smart home systems. Smooth interaction between components from different manufacturers is essential.

Together with Theben AG and ProKNX, Future-Shape is now offering a special home security package. The SensFloor sensor system can be easily combined with the Aragon voice assistant and the "LUXORliving" smart home system. The three companies presented this product combination together for the first time at the Light+Building 2024 in Frankfurt.

Register the fall and call for help

It is probably the horror story of many people living alone: falling down and no one hearing the calls for help. How reassuring to know that such an emergency can be detected automatically from the floor and assistance can be called with the help of a voice assistant. This is exactly what the new cooperation makes possible: "With this collaboration, we are taking on the special challenge of self-determined living in old age. Together we have the advantage of bringing a complete package with optimally functioning and already proved interfaces to the market. Furthermore, customers only have one point of contact," reports Jens Pfister, Head of the Building Automation Business Unit at Theben AG. The centrepiece of the cooperation is the LUXORliving Smart Start smart home system. This system, which is based on radio signals, can be installed quickly and without major construction work and offers all the functions that are needed today and in the future, including switching, dimming, operating of appliances as well as climate control, panic function, window contacts and time control. The range of functions can be flexibly expanded.

SensFloor: the smart floor

The SensFloor system is responsible for monitoring the home, as it detects every movement. It consists of a sensor underlay, a small receiver and smart software that analyses and displays the sensor data. The sensors are invisibly located under the normal floor covering and transform the entire floor into a giant touchpad. "The SensFloor software analyses the tracks, recognises situations and triggers the relevant actions. The system can learn day-to-day processes under AI control, such as the daily routine in a room, and report any noticeable deviations," explains Axel Steinhage, Managing Director at Future-Shape. "The recordings are anonymous, 100% compliant with data protection regulations and are only processed locally," he continues. If the resident falls and cannot stand up on his own, SensFloor either carries out predefined actions or communicates with the person in need of help via the Aragon voice control system.

Communication with the Aragon voice control system

The offline voice control system Aragon is part of the ProKNX product line, which works without cloud services. Aragon protects privacy because everything that is said remains in the room. Commands are only processed locally on the device. "Although offline, Aragon's vocabulary is not restricted and remains at least as diverse as that of online assistants," explains Christian Kiefel, CEO of ProKNX. For example, special commands can be defined for the application, such as communication between Aragon and SensFloor, which massively increases the safety of residents. Aragon also makes it possible to control and query devices and functions such as lights, televisions, roller blinds, heating and alarm clocks. "This means that people with physical disabilities in particular can control the functions of their home using their voice without any restrictions. We see great benefits for the ageing society in the cooperation between ProKNX, Future-Shape and Theben. In the future, we will face topics related to self-determined living in old age and ambient assisted living more and more frequently," says Christian Kiefel, taking a positive view of the new cooperation.

More information about the three products can be found here:

[Smart start](#)

[SensFloor](#)

[Aragon](#)

About Theben AG

With intelligent solutions for energy-efficient time, light and climate control, Theben AG pursues the concept of Human-Centred Building Automation. The Theben Group unites 15 subsidiaries and over 60 agencies worldwide, making it one of the leading manufacturers of home and building automation solutions. Founded in 1921, the family-owned company employs a total of almost 800 employees, 650 of whom work in Germany. The product range comprises around 600 products, including timers, presence and motion detectors, smart home systems and KNX components. As a member of the Board of the KNX Association, Theben plays a key role in establishing KNX as the standard in building automation. Theben is also actively driving forward the energy transition through innovations in the field of smart energy.

About ProKNX

ProKNX is a dynamic IoT company that develops and distributes fully offline smart home assistants that offer all the convenience of a cloud-based system while maintaining consumer privacy. The company has more than 10 years of experience in developing innovative, award-winning smart home devices for the KNX home automation sector. ProKNX manufactures high quality devices for homes, hotels and offices. The flagship product, Aragon, was listed as one of the best smart home products of 2021 in Germany and won the Audience Choice Award at the Smarthome Deutschland Conference 2020. ProKNX is committed to developing specialised features for their offline smart home assistant to enable frail people to stay in their homes for longer. The ProKNX team is international and open to the integration of new technologies that support independence, standardisation and privacy.

About Future-Shape

Our vision is an intelligent home that knows its residents and supports them exactly where they need help - discreetly, invisibly and 100% compliant with data protection regulations. With our SensFloor® assistance system, we make everyday life in senior living and care easier. Automatic fall detection and preventive alerts improve the safety and independence of residents. SensFloor® also provides discreet support through smart home functionalities. In inpatient care, an improved ward overview relieves the burden on nursing staff. Caregivers can carry out their tasks in peace while the assistance system monitors the remaining rooms.

Future-Shape is owner-managed and has been on the market for over 15 years. CE and ISO certificates, numerous awards and many satisfied customers worldwide make us a successful player on the international care market. Further information about Future-Shape: www.future-shape.com

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