



The Worldwide STANDARD for Home and Building Control

## **Safety for the Elderly**

*Home and building automation systems are supposed to protect people and equipment. CIBEK technology + trading GmbH now show how this can be implemented with KNX. Their solution puts an emphasis on a gradual adaptation of the system based on the age of the residents.*

### **The solution**

The common safety features in buildings like burglar alarm and fire protection systems are implemented with KNX alarm components and systems. But simple single functions for improved day-to-day safety are also in demand. Central and automatic shut-off of electrical appliances, video surveillance of the door entrance, and alarm calls are also implemented with KNX. The operation and information display for the users is performed through a touch screen with graphical user interface specifically designed for elderly people.

### **Implementation**

CIBEK chose ABB components for the burglar and fire alarm functions. Additional safety functions are implemented with common KNX components like actuators, binary inputs, automatic switches and sensors. The CIBEK touch panel was specifically designed for the central operation and monitoring. This device serves the central control functions, provides data on operating conditions, enables media functionality and reports safety relevant events. In addition, options for voice announcements and voice control are available which could be beneficial for disabled and elderly people.

### **Features**

Trade show visitors will see a touch display which is well arranged and easy to use for elderly people. Different loads can be switched individually or in groups, alarm triggering is displayed and forwarded, video images can be recalled and different functions can be voice controlled by the built-in microphones.

### **Advantages**

KNX allows the flexible implementation of safety functions to meet the age-related demands of people. The touch display was specifically designed for elderly people and can be customized to different habits and abilities. CIBEK can draw on the experience from completed senior citizen projects during the implementation of new projects.

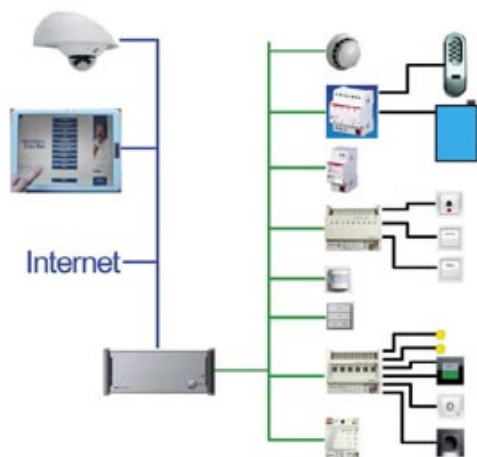
### **System Integrator:**

#### **CIBEK technology + trading GmbH**

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**Figure:**



**KNX** Association is the creator and owner of the **KNX** technology – the worldwide STANDARD for all applications in home and building control, ranging from lighting and shutter control to various security systems, heating, ventilation, air conditioning, monitoring, alarming, water control, energy management, metering as well as household appliances, audio and lots more. **KNX** is the worldwide STANDARD for home and building control with a single, manufacturer independent design and commissioning tool (ETS), with a complete set of supported communication media (TP, PL, RF and IP) as well as a complete set of supported configuration modes (system and easy modes). **KNX** is approved as a European (CENELEC EN 50090 and CEN EN 13321-1) and an International standard (ISO/IEC 14543-3). This standard is based upon more than 18 years of experience in the market including its predecessors, EIB, EHS and BatiBUS. Over 140 member companies worldwide from different application domains have almost 7000 **KNX** certified product groups in their catalogues. The **KNX** Association has partnership agreements with more than 30,000 installer companies in 80 countries.

[www.knx.org](http://www.knx.org)

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**Pictures can be downloaded at:**

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