



Martin Vontobel, Product Marketing Manager Building Automation Solutions, August 19, 2015

Swiss–US Energy Innovation Days

Home Sweet Home – How Smart a Home Do You Need?

The Age of Digitization

Rapid and Ongoing Development



Digitization of Everyday Life

What about Smart Homes?



Smart Home Technology Market Drivers

Digital Interconnection

- Progressive interconnection of households (broadband, WLAN)
- New mobile applications
- Tablets and smart phones as new devices to control Smart Home solutions

Home Lifestyle

- Increased importance of the client's own home ("cocooning" trend)
- Increasing willingness to pay for smart devices and services

Demographic Trends

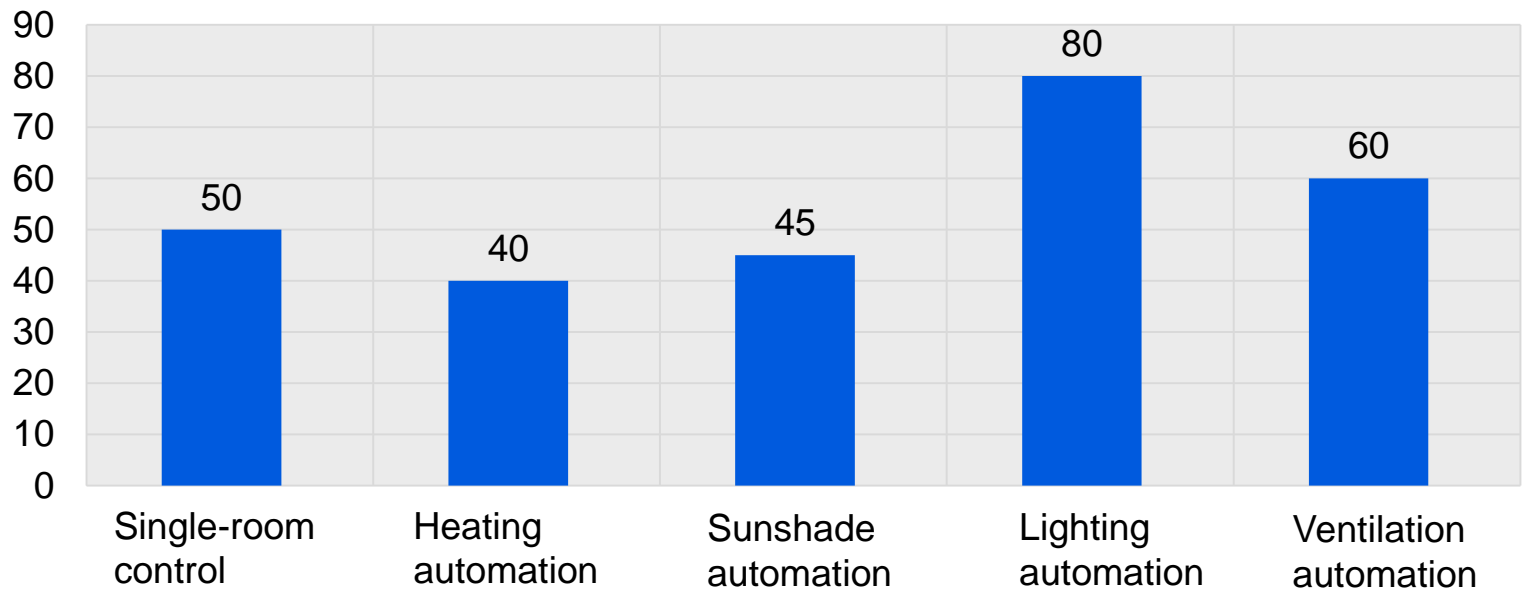
- Constantly aging society
- Increasing number of single households and lone parents
- Potential for digital health care and monitoring solutions

Environmental Awareness

- Increasing environmental awareness
- Energy efficiency is more and more important (building renovations, energy consumption)
- Home automation profits from the sustainability trend

Intelligent Household and Building Automation Significantly Reduced Energy Consumption

Reduction in energy consumption in %

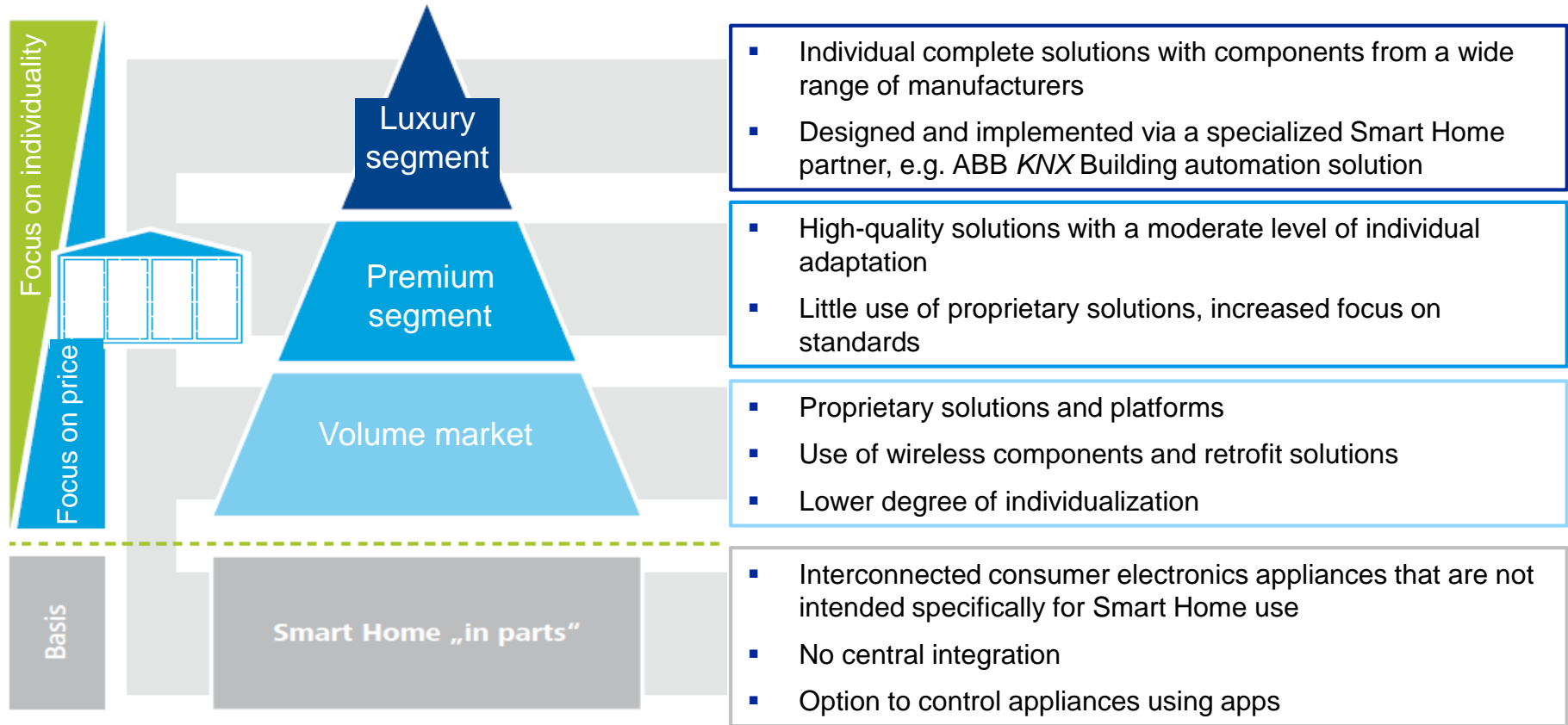


Reduced energy consumption (Maximum values) through the use of home and building controls

Maximum values from the “Energieeinsparpotenziale durch moderne Elektronistallation” study (Energy-saving potential through modern electrical installations), 2008

Strong Growth in the Smart Home Market

ABB-free@home for the Premium Sector and Volume Market



Source: Deloitte

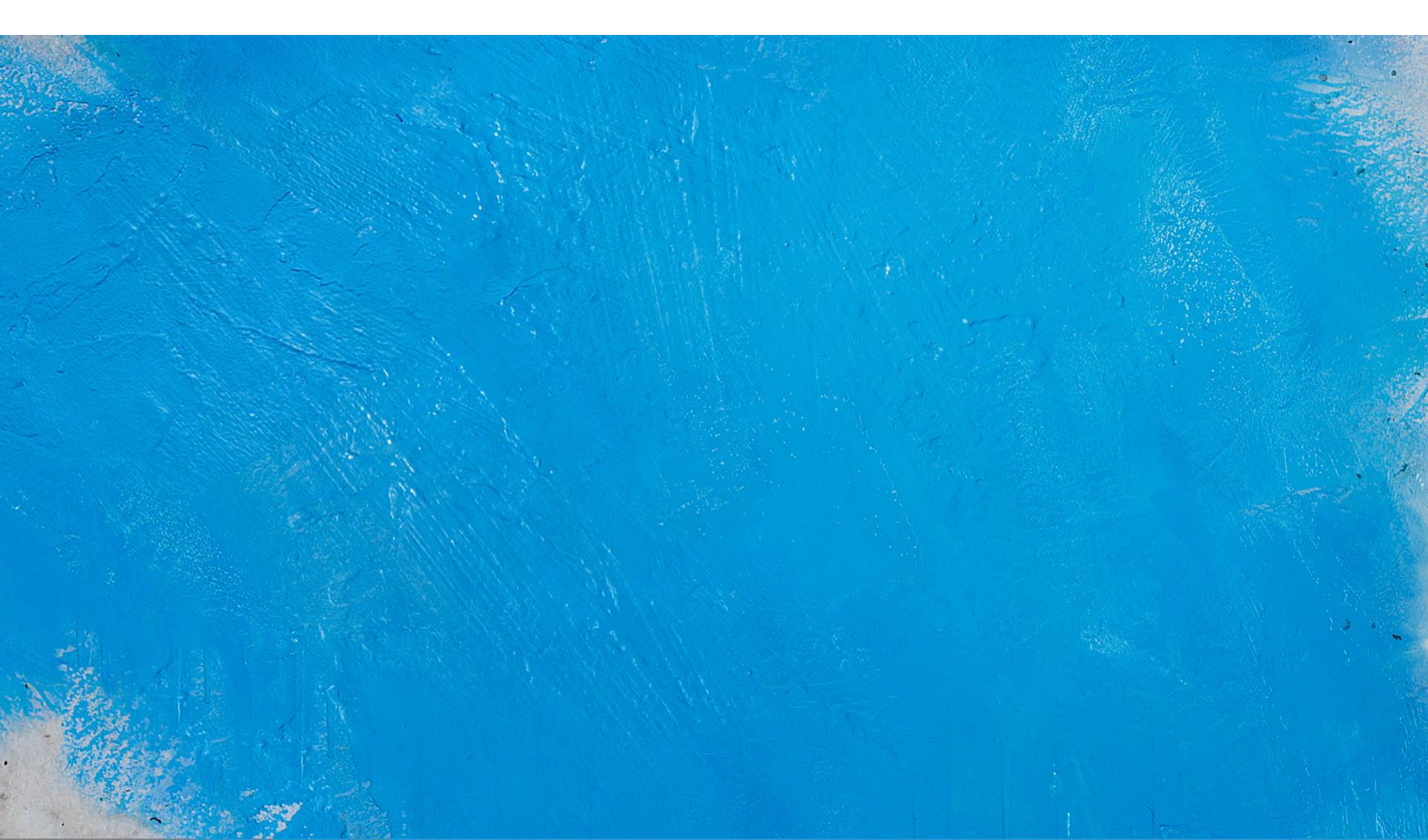


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Intelligent Home and Building Automation



- State-of-the-art system that focuses on extended standard applications in private building construction with “simplicity as a feature”
- Significant increase in comfort, safety and energy efficiency
- Orientated toward private building construction and smaller commercial projects
- Total networking: light, heating, air-conditioning, blind and door communication, as well as single, group or central control
- Local operation by means of installed devices such as control elements, movement detectors, room temperature controllers or touch panel

Easy Handling

Adjusting Everything via the Free App



- Complete freedom of device – whether tablet, iOS or Android smartphone, or PC via any type of browser
- Intelligent assistance function with WIZARD makes intuitive commissioning and operation possible
- Easy setup of scenes; everything-off function; plug-and-play; easy to adjust later
- Commissioning mode and remote control integrated in one app

As Easy as Shifting Your Armchair

Easy Setup



First step – the house

- First the electrician sets up the floor plan with its floors and rooms.

Second step – assigning

- The sensors in the app are then integrated in the floor plan and assigned in the system.
- Parameter settings, such as for LED displays, incandescent bulbs, dimmable LEDs or opening and closing times for blinds, can also be applied.

Third step – combining

- Finally, the elements can be combined as desired or required incl. scene control and time control

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Making Home Automation Easier than Ever



- Easy and efficient installation, commissioning and configuration
- Comfortable operation with app on mobile terminal devices or via PC
- Individual adaptation/modification of programming possible by end customer
- Combines door communication and home automation into a single system
- An international system that is being introduced by ABB worldwide and simultaneously in up to 10 markets
- High added value compared to conventional installation, and at an attractive price

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Contact Us



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