



Egypt for **Smart Solutions**



A single system instead of separate control solutions

- Lighting control
- Heating/ventilation control
- Climate control
- Shutter control
- Alarm monitoring
- Energy management
- Central automation



A wise investment

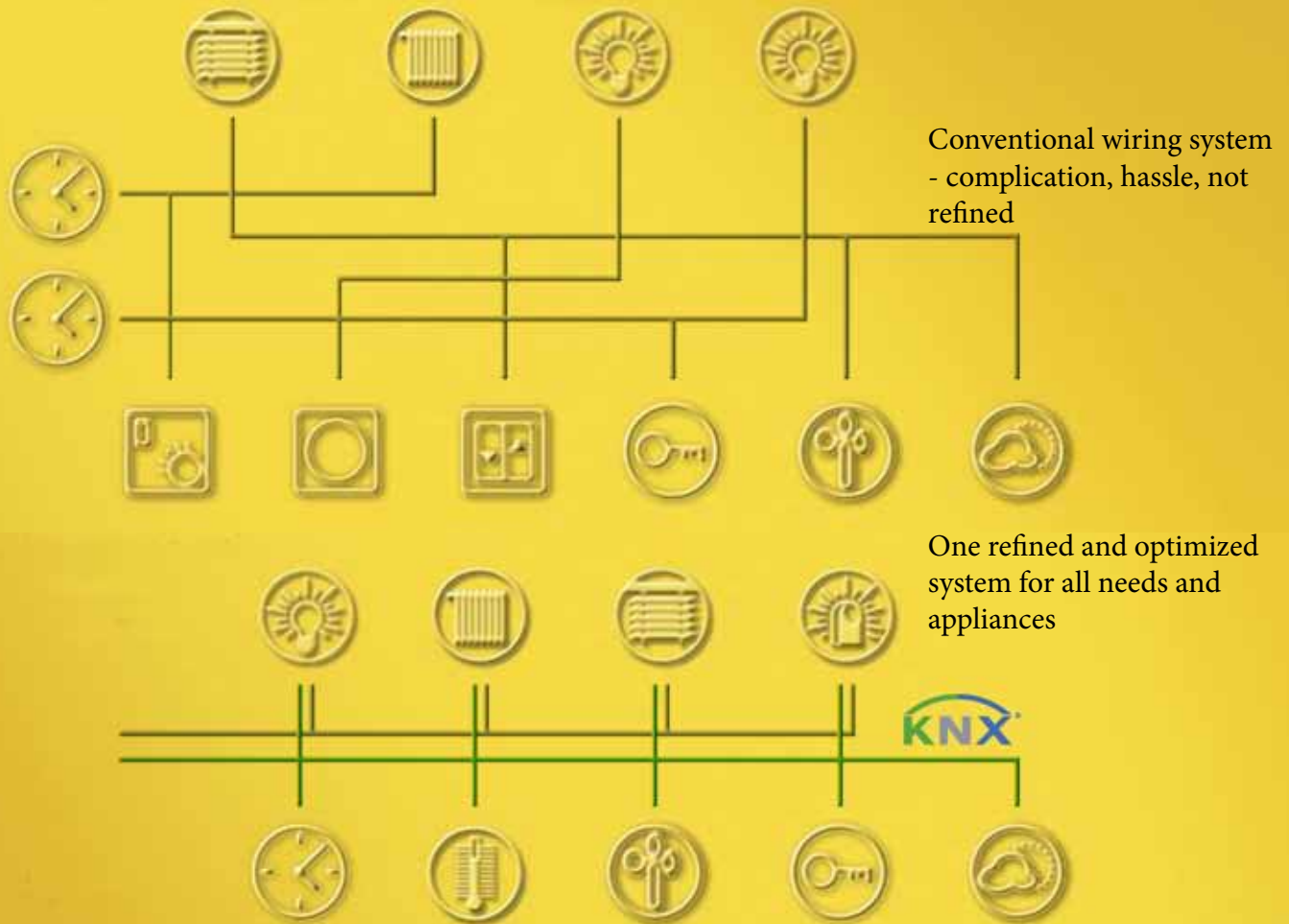
Intelligent building control systems mean:

- The building will be up-to-date and profitable in the long-term
- A shorter amortisation period
- Cost advantages throughout the entire lifetime of the building: from planning and implementation, through the building phase, sale or rental, right up to operation and administration.

More comfort, more economy, more security

Intelligent building control systems enable:

- Realisation of a complete solution according to the wishes of your project partners and customers, whether they are buyers, tenants or operators
- Quick and simple adaptation of the functions to the individual needs and uses of the premises
- Energy-saving, tailor-made control of all electrical consumers
- The best possible safety and security for people and property



KNX bus system

- The standardized bus system

KNX bus system uses an additional data line to control devices and systems, such as heating and lighting, to a networked system.

If each application were designed individually - as is usual - such networking would only be possible with high costs and major technical expenditure.

The bus system on the other hand consists of:

Sensors which “feel”, i.e. Receive commands, such as light switches

Actuators which “act”, i.e. execute commands, such as dimmers

The bus which “connects, i.e. enables sensors and actuators to communicate with one another

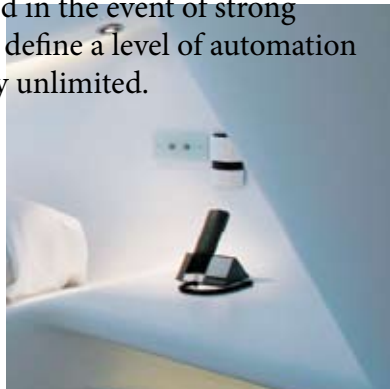
Tailor-made comfort – an attractive argument



Pure modern comfort

Needs are different. With smart home systems it is possible to practice the greatest individuality. Now everyone is able to adapt their environment to their wishes. Setting the room temperature, providing the ideal lighting for an important presentation in the conference room and much more, all at the touch of a button.

What's more, small but irksome day-to-day tasks are rendered unnecessary by the innovative KNX technology. For example, lights are automatically switched off when there is no one in the room or the shutters are safely raised in the event of strong wind. You can define a level of automation that is virtually unlimited.



Safety and Security

for people and property

Protect your investment against damage and loss of value, and the occupants from risk to life. Our integrated solutions encompass all relevant security functions:

Intrusion detection

Fire and smoke detection

Technical alarms

Panic and emergency call functions

Presence simulation

Automatic lighting





Economic efficiency

No other installation system makes it possible to run the building so efficiently. ABB i-bus® is able to do this thanks to:

- Energy-saving individual room control for heating, ventilation and air-conditioning
- Optimum lighting tailored to the requirements at hand
- Intelligent shutter control for making use of daylight and the sun's energy
- Optimisation of energy consumption via acquisition and evaluation of operational data from the building
- Transparent visualisation for supporting facility management



Flexibility

In buildings with a lifespan that generally covers several decades, it is only a matter of time until rooms change use. So it's good if the building functions can be adapted to the needs of the user simply and at low cost during this time. With an ABB i-bus® installation, these requirements are implemented quickly and easily by reprogramming or expansion. What's more, this 'programmable flexibility' gives you more time in the planning phase to take into account the wishes of your customers.



Percentage of reduced energy consumption (%)



Due to the great system flexibility and functionality, KNX technology can be used in any type of building. It offers efficient advantages for all intelligent building control applications and therefore perfectly rounds off your project.

- Office buildings
- Bank buildings
- Retail trade/shopping centres
- Flats/apartments
- Private houses/villas
- Hotels/restaurants
- Stadiums/sports venues
- Hospitals/clinics/care homes
- Schools/universities
- Churches/museums/libraries
- Event/leisure buildings
- Industrial/production buildings
- Airports/stations

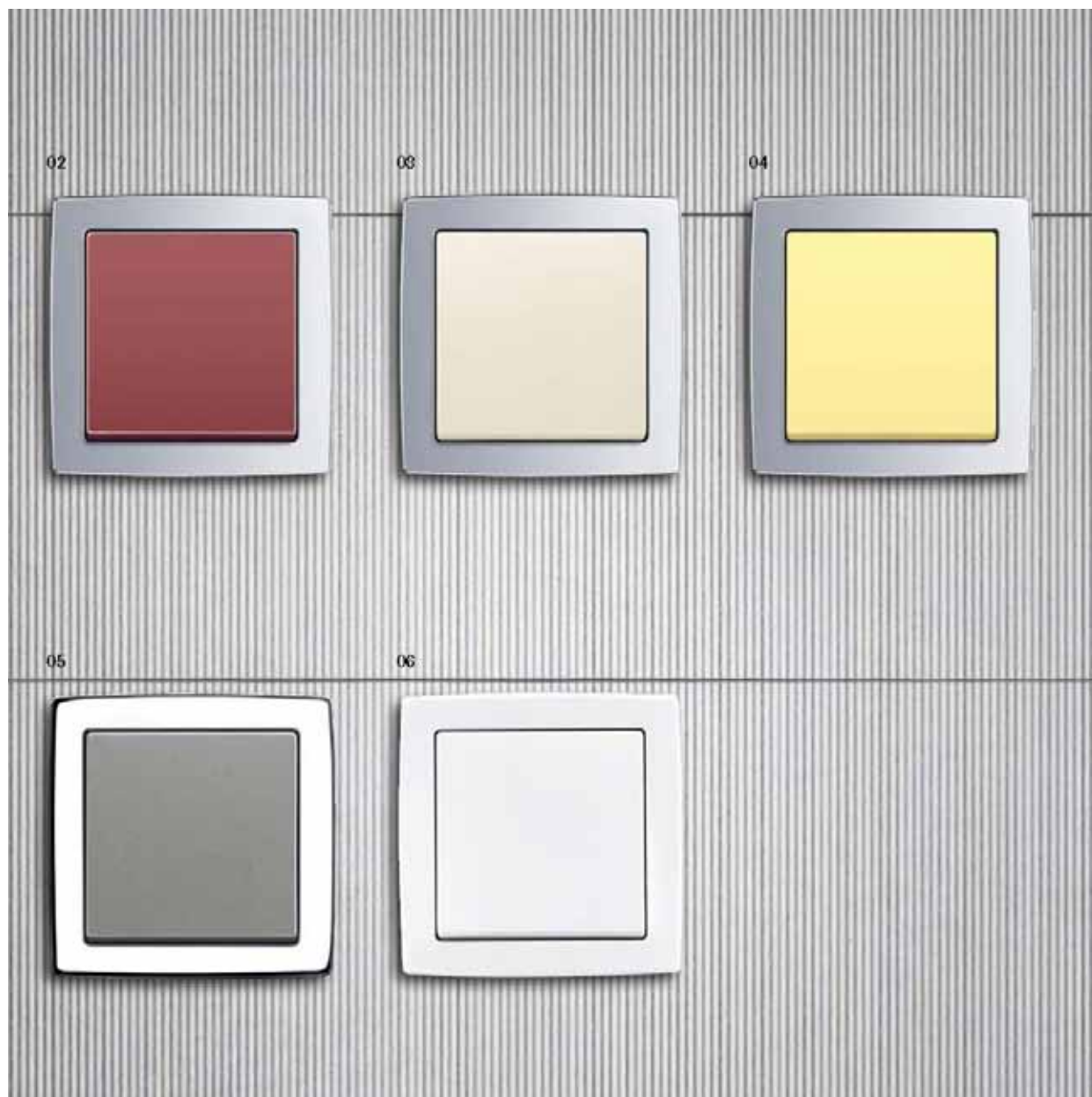






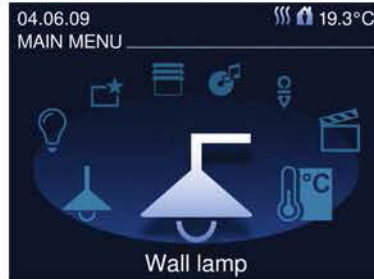
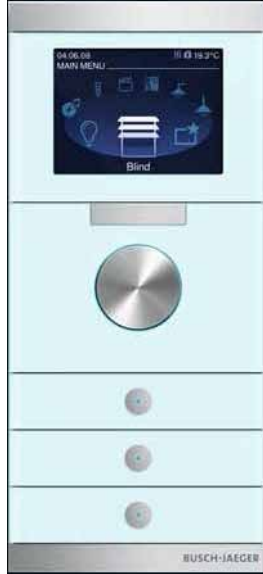
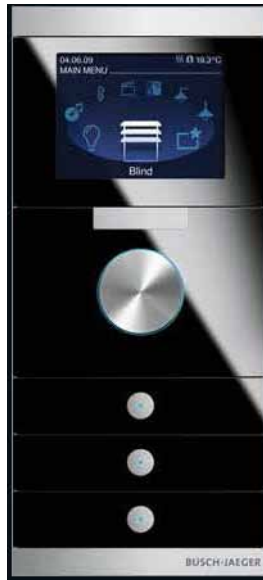
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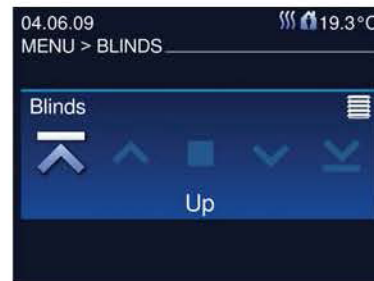
Unrivalled Innovation



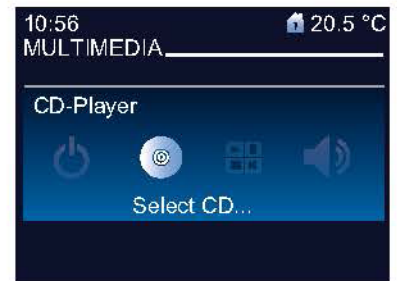
Lighting



Lighting



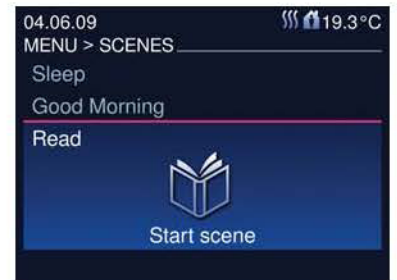
Blinds



Music control



Heating



Scenes



Graphic memo



Efficient energy handling



Egypt for **Smart Solutions**

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