Life Is On | **Schneider** Electric

Connected Space
Personalise energy solutions
spaceLYnk

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The Energy Efficiency challenge

Active energy management

World experts in Energy Efficiency have clearly identified the importance of solutions for actively accessing new energy savings potentials and achieve goals. This is particularly reflected in the context of recent European standards.

EN 15232 sets a frame of reference: it characterises the performance of building control systems and underlines the significance of active management on Energy Efficiency in terms of electrical and thermal energy.

Energy management on mobile devices

Smartphones and tablet PCs are an increasing part of our everyday life. Remote control of building functions and energy management with mobile devices play a major role for customers, and they are looking for solutions that follow this trend.

Active Energy Efficiency solutions and the use of Smartphones and tablets nowadays can not be ignored – they are a necessity. Their implementation, combined with construction solutions for passive energy efficiency of buildings and a significant change in behaviour affects all our futures.

Maintenance efficiency

Modern buildings require more and more extensive and comprehensive facility manangement. Systems which ease the maintenance works by offering clear information about the building are in great demand.

Energy Efficiency

Smartphones and tablets are part of our everyday life.

Ease of maintenance work

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Grow your business in building automation energy and maintenance management

Lighting and HVAC can cause over 70 % of the energy used in a building. You can optimise this major source of energy consumption by installing a powerful, integrated solution on open, scalable devices and applications.

spaceLYnk is the new logic controller from Schneider Electric, which allows to connect different standards and protocols for building automation and energy metering.

Beyond that, it provides an outstanding, comfortable user interface. spaceLYnk offers a comprehensive and distinguished solution and achieves real differentiation as well as added value to you and your customers.

spaceLYnk Logic Controller

spaceLYnk is flexible

• Interoperability enables connection of different building automation systems
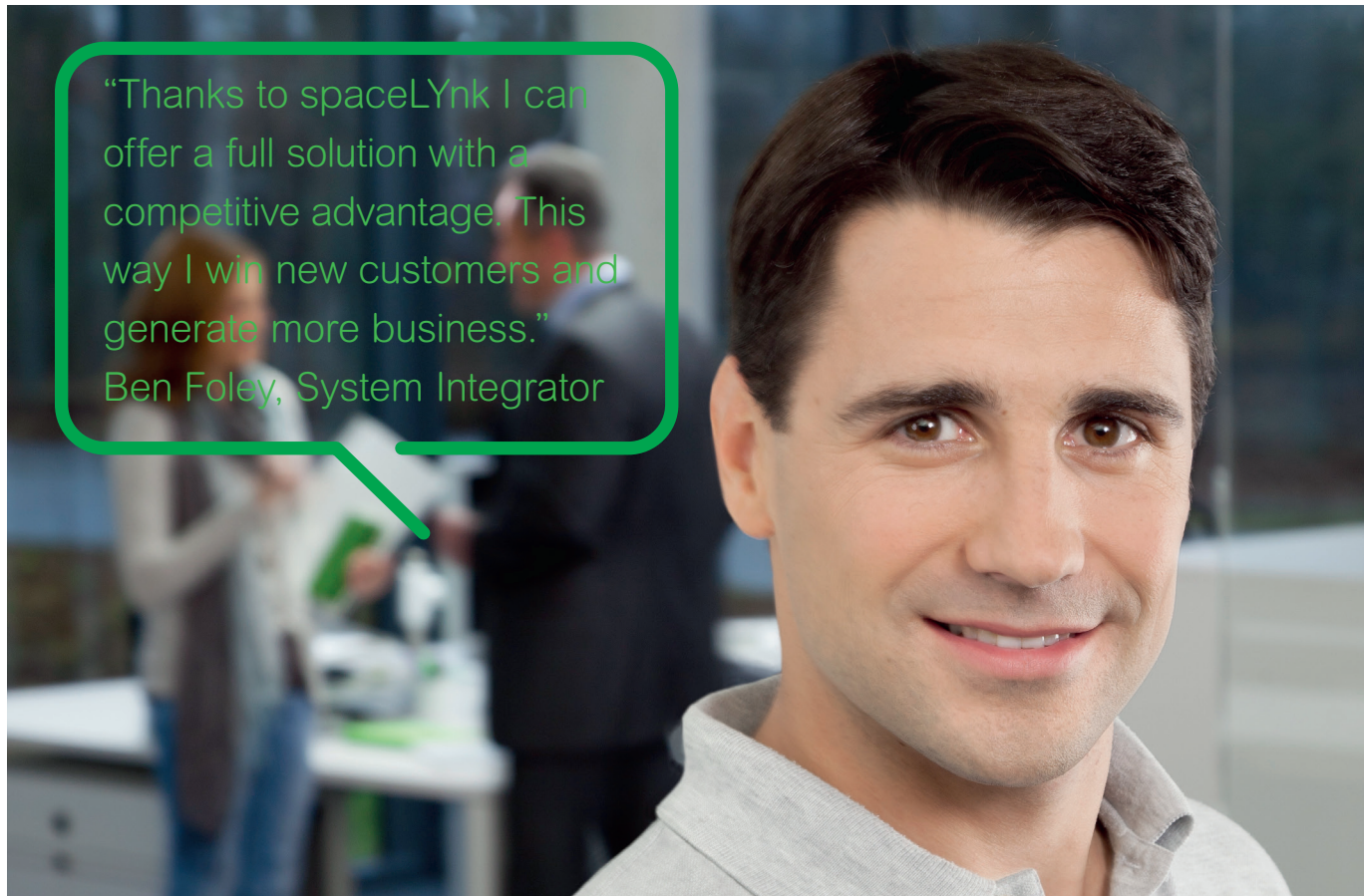
spaceLYnk is customisable

• Interface can be designed to customers' individual needs

spaceLYnk is efficient

• Easy to install and repetitive configuration

"Thanks to spaceLYnk I can offer a full solution with a competitive advantage. This way I win new customers and generate more business."
Ben Foley, System Integrator

spaceLYnk – one device, numerous options

spaceLYnk is the key to provide a complete solution, delivering unlimited flexibility, simplicity and efficiency for you and your customer. spaceLYnk can be used in several ways.

Flexibility
spaceLYnk connects different home automation systems

Gateway
As gateway, it allows communication and interoperation of different building control products and functions like lighting, blinds and heating. Thanks to this function, KNX lighting management can be simply integrated into the central BMS.

User interface
As user interface – based on a web server application – all functions can be controlled and be displayed on local and mobile devices such as tablet PCs or smartphones.

Memory function
spaceLYnk is able to display measurement of gas, water and electricity and monitors the consumption on a daily, monthly and yearly basis. It stores and analyses data; this allows to identify energy-saving potentials, thus increasing the Energy Efficiency of a building.

Logic controller
Advanced logic functions are possible in order to optimize energy efficiency and comfort.
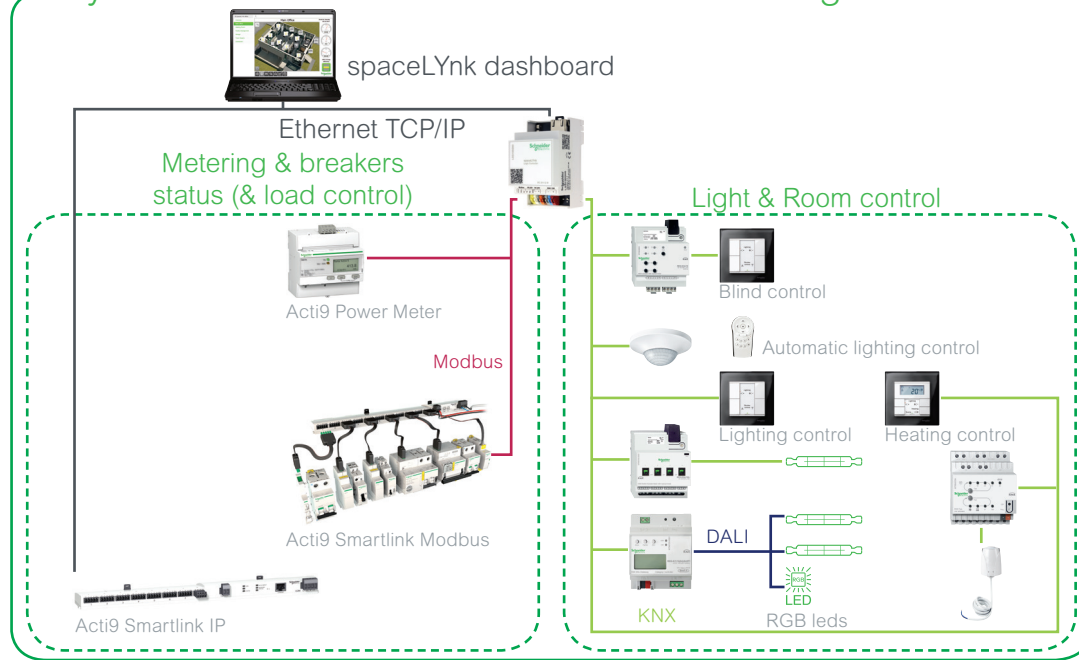
Event controller
And finally as an event controller, which sends a notification/message in case of any failure or issue.

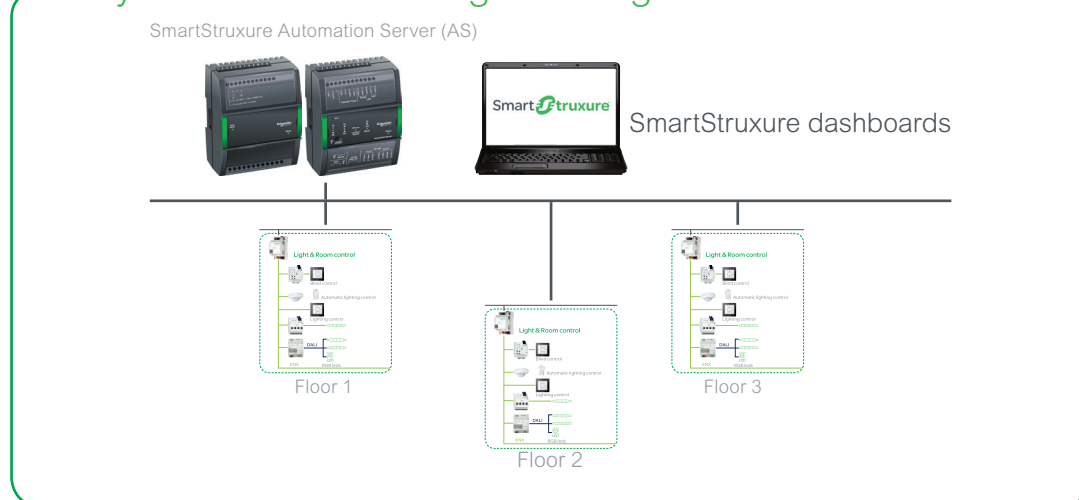Schneider Electric

Facilitate building solutions

spaceLYnk connects building control functions, thus archieving a complex building management for small and medium as well as large buildings.

System architecture small and medium buildings

spaceLYnk dashboard

Ethernet TCP/IP

Metering & breakers
status (& load control)

Light & Room control

Acti9 Power Meter

Blind control

Modbus

Automatic lighting control

Lighting control   Heating control

Acti9 Smartlink Modbus

DALI

KNX   RGB leds

LED

Acti9 Smartlink IP

The unique user interface visualises energy monitoring, building control and maintenance data. Local and remote access via PC, smartphone and tablet allows consistent control and immediate action.

System architecture large buildings

SmartStruxure Automation Server (AS)

SmartStruxure dashboards

Light & Room control

Light & Room control

Automatic lighting control

Light & Room control

Automatic lighting control

Lighting control

Lighting control

DALI

Automatic lighting control

DALI

Floor 1   Floor 3

Lighting control

DALI

Floor 2

Interoperable with different systems, spaceLYnk enables linking lighting, shutter and heating control systems to the central BMS, e.g. SmartStruXture.

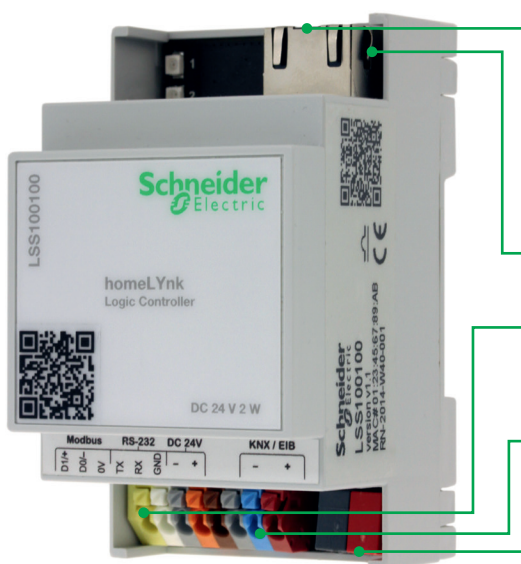# spaceLYnk
is easy to install …

The installation of the spaceLYnk is easy and efficient. It has a compact, ergonomic size and is mounted on DIN rail. No screw is needed for wiring, and pre-programming is possible, which saves labour time on site.

spaceLYnk is ready to communicate with several protocols

Efficient
spaceLYnk can be easily installed and configured

• IP connection for communication in BACnet server 500 points, Modbus, KNX, and web services. It also grants access to the web server to configure and display the graphical user interface.

• USB port (3G modem, etc.)

• Modbus serial port links to any devices (Smart-link, IEM, PM, ie.)

• KNX connection for communication with KNX products

• RS232 connection to control music players, video projectors, etc.

…and easy to adapt to your configuration level!

The new App concept has the flexibility to meet a wide range of requirements in terms of desired functionality. Configuration is simple and quick even Advanced functionality needs? No problem. Configuration is simple and quick.
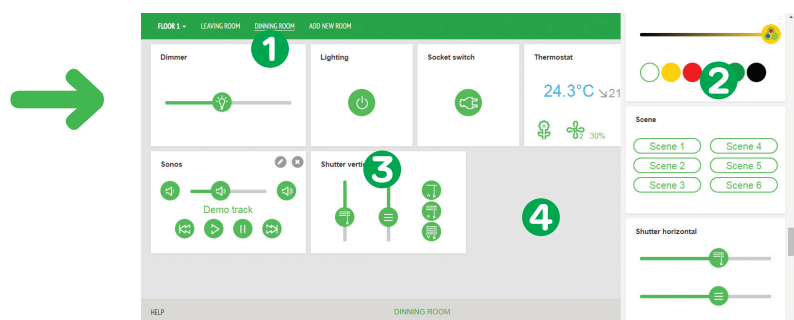Configuration can also be scaled and used repetitively for similar projects.

Easy and Quick to configure thanks to Touch App.

Visualisation
Touch App creates a full featured user interface for tablets, smartphones, and touchscreens, with widgets that are relevant, easy to use and customer friendly.
Widgets are available directly in Touch App.
Users simply define floors and rooms, then choose the available and visible widgets.

1	2	3	4
Define building structure	Choose your widgets	Arrange the positioning of widgets	Make link with KNX functions

Complete and simple logical engine to integrate advanced functionnalities.

Thanks to the Logical Function App, you can create advanced logical functions that meet a wide range of customer needs.

Additionnal Apps.
Additional apps will be available like Sonos in order to integrate music in your installation. All this app area availbe in the local shop direclty in your homeLYnk user interface.
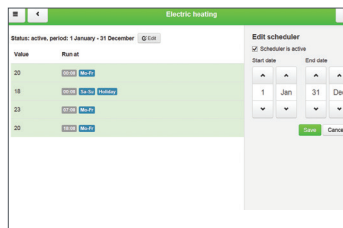
One interface – all functions

The spaceLYnk interface allows to control all building functions via one interface only – whether from a local or mobile device. It provides a clearly structured overview of all functions, scenes, settings, and values. Plain icons and interactive floor plans guarantee intuitive orientation and convenient operation.

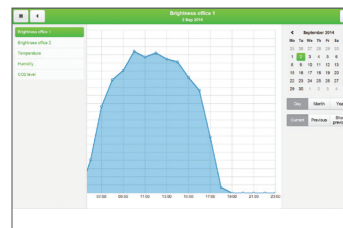## spaceLYnk interface control examples

Light and Room Control
Building functions to control lights, blinds and heating

Scheduling
Time-controlled building functions on a dailly, monthly and yearly basis

Energy metering
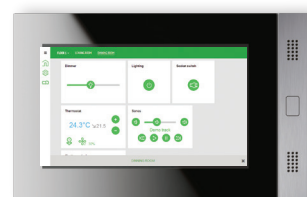Measures gas, water and electricity consumption

spaceLYnk
Remote App

Convenient mobile control

spaceLYnk interface can be displayed on all devices, local or mobile. Optimised for each device, the interface design ensures quick handling – easier than ever.

Mobile and local control

Available on the App Store

ANDROID APP ON Google play

Your customers can control and monitor all building functions even when they are away. They will be connected at anytime thanks to the web-based server application. All they need is an internet connection and a smartphone or tablet PC.

At site your customers can use a PC or a touch panel to connect to the web-based server and control the building functions from a central point.

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100 % Interface customisation

The spaceLYnk interface can be fully customised. That enables end users to propose their design and brand on the market.

Customisable
Interface can be designed to customers' individual needs

End user and maintenance manager are looking for an esay and quick solution to manage and maintain a building.With spaceLYnk you can not only offer an up-to-date system, but also a tailor-made interface.

In advanced configuration mode you can create the customised interface design. Single elements like the logotype or an icon can be replaced, as well as the entire interface layout.

spaceLYnk standard user interface

spaceLYnk customised user interface

Maintenance management at your fingertips

spaceLYnk gives you the key to maintain and control all building functions.

All information visible at one sight

All building functions can be controlled and managed via one interface.
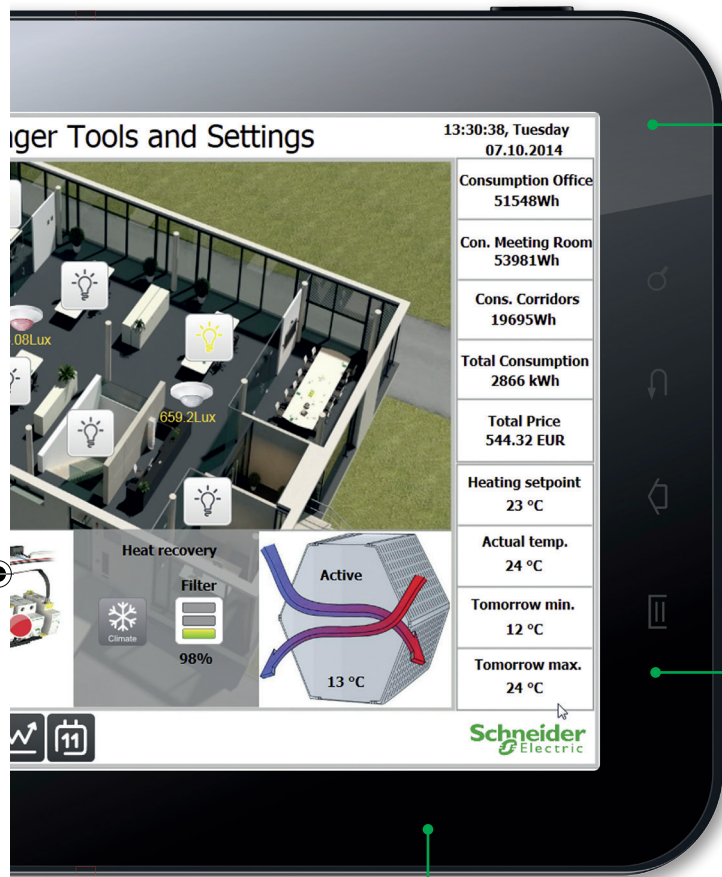
Good overview and intuitive operation

All settings, whether on floors or in single rooms, can intuitively be controlled and adapted thanks to plain icons.

Room control

Maintenance information

All maintenance information (e.g. status or lifetime of lamps) can be displayed. Alarms will bring malfunctions, like broken lamps, to the maintenance managers attention. This makes it easy and time-saving to plan as well as to realise the maintenance works where necessary.
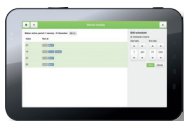
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Mobile access

Thanks to the web-based interfave all building functions can be monitored and controlled via Laptop, Tablet PC and Smartphone. This way all functions can be tracked from everywhere, whether the maintenance manager is on site or not.

Metering at a glance

Current water, gas and electricity consumption can be checked as well as date recorded on a daily, monthly and yearly basis. Comparsion charts with historical data help to identify saving potentials and show abnormal consumption.

Brightness level

Scheduler

Schedules for all building functions can be set thanks to he integrated time scheduler/calender function.

Scheduler
electrical heating

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Make the most of your energy

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