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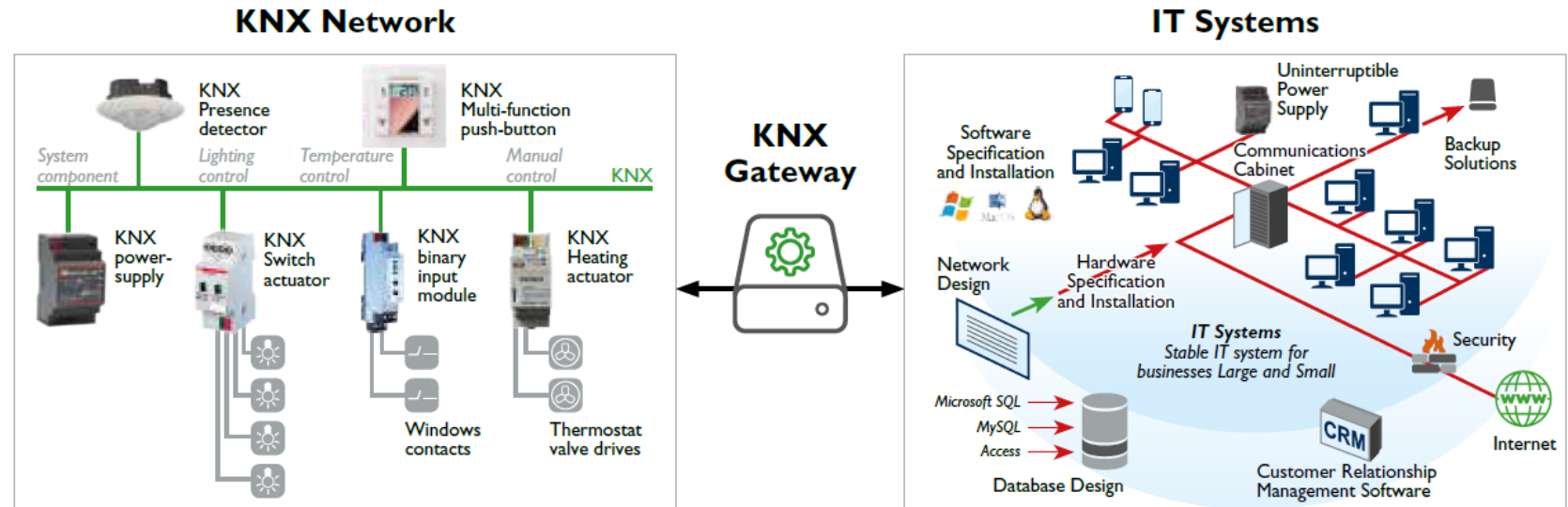
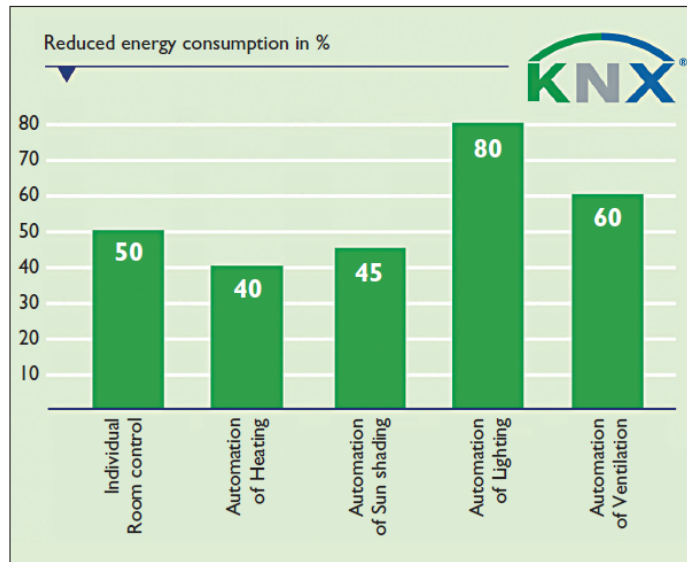
# Home & Building Automation STKNX

Industrial  
Automation  
Competence Center



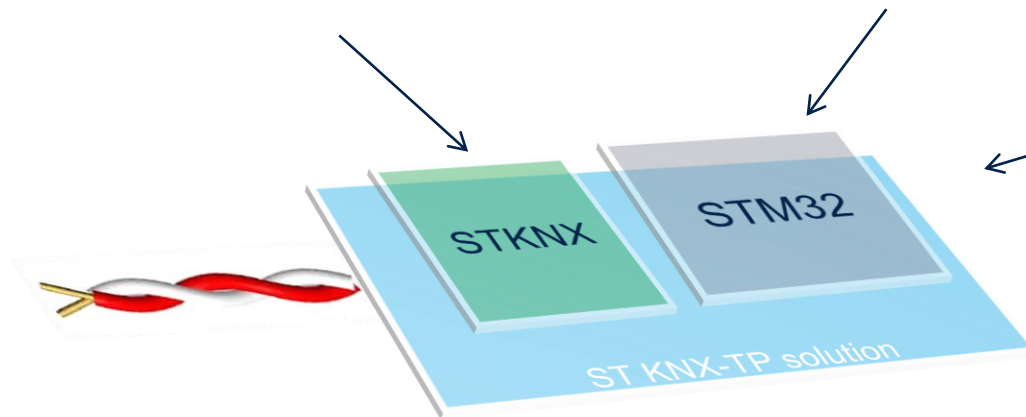
## Low power consumption and compatible with IT systems

### \* KNX Energy Reduction



\*Source: [www.knx.org](http://www.knx.org) < KNX-Basics\_en.pdf >

# STKNX total solution





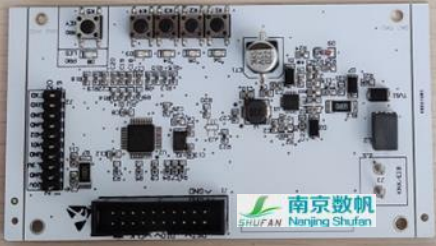
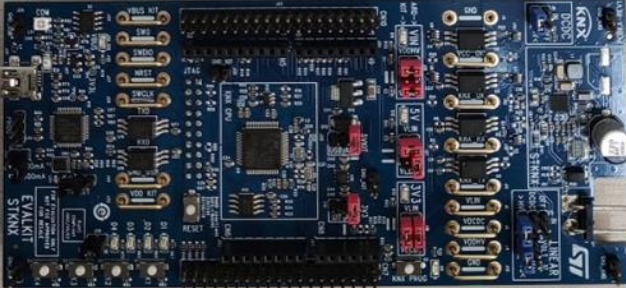


- STKNX third party partners
- Provide KNX protocol stack development support
- KNX product certification test

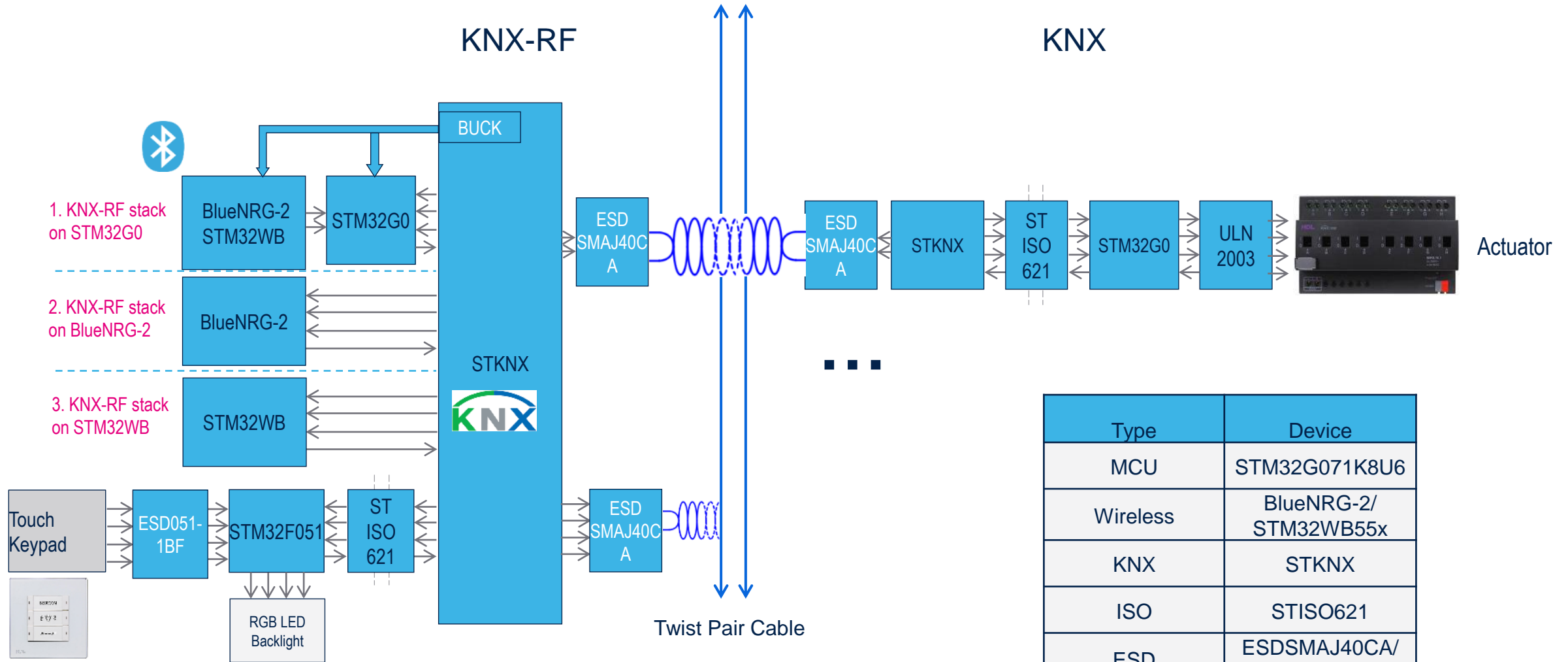




# Home & Building Automation KNX Demo and Solution Available

	GVSSTKNX1	32*24mm	STM32F051K8T6, STKNX	07B0	KNX stack integrated, use UART for data communication with external application MCU	GVS	SMD	Limited stock
	GVSSTKNX2	33*32	STM32F051K8T6, STKNX	07B0	KNX stack integrated, use UART for data communication with external application MCU	GVS	DIP	Need to order
	GVSSTKNX3	3*32 mm 94*53mm	STM32F030C8T6, STM32F051K8T6, STKNX	07B0	KNX core board plus external function expansion board, easy to extend the RS-485, Wifi, Bluetooth etc	GVS	DIP	Need to order
	USBSTKNX	52*23mm	STM32F1030C8T6, STKNX	07B0	Use to connect between PC & KNX bus, for ETS configuration tool	GVS	Micro USB	Need to order
	SFSTKNX1	100*60mm	STM32F071C8T6, STKNX	0705	Best evaluation board to evaluate/test with Shufan's KNX software/stack	Shufan	SWD, JTAG	Limited stock
	EVALKITSTKNX	155*70	STM32F1030C8T6, STM32F103RBT6, STKNX	NA	To evaluate the KNX transceiver with plenty of resource of user guide/application note/sch/PCB reference design and the miniature transceiver STKNX demonstration firmware for evaluation	ST	Mini USB, JTAG, SWD	Limited stock

# KNX-RF Block Diagram



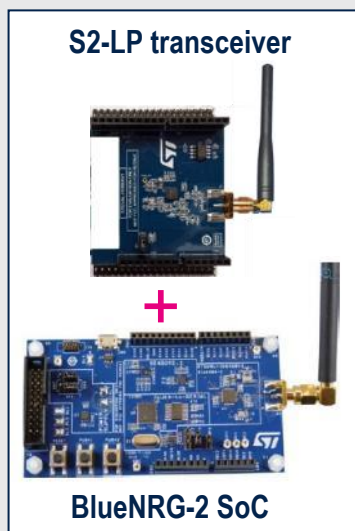
Type	Device
MCU	STM32G071K8U6
Wireless	BlueNRG-2/ STM32WB55x
KNX	STKNX
ISO	STISO621
ESD	ESDSMAJ40CA/ ESD051-1BF
Driver	ULN2003



# KNX ecosystem

## demo setup proposal

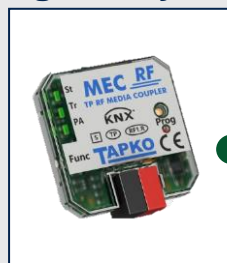
### KNX-RF radio switch Setting using BLE



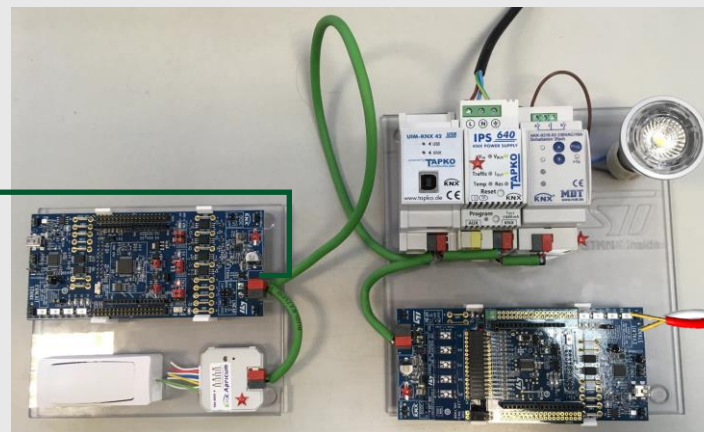
iOS BLE  
application



KNX RF & TP  
gateway

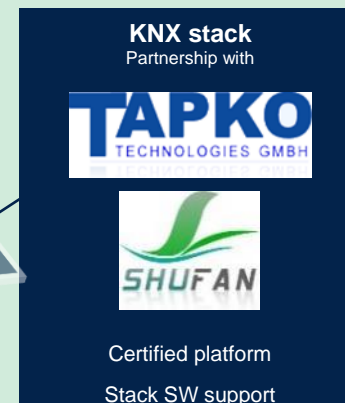
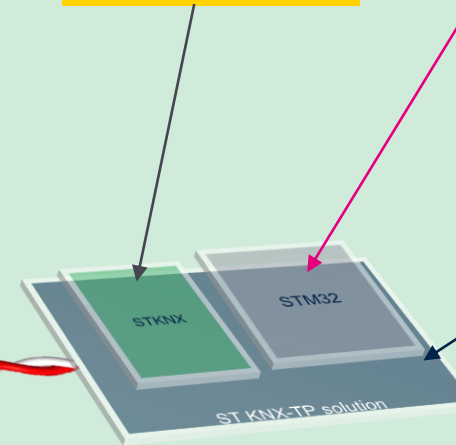


### KNX-RF LED application



STKNX demo included

### STKNX solution





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