



Automation in homes & buildings, factories, and medical systems

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Automation market intelligence

Smart home, building, and city: 78.2B\$ by 2030; CAGR of 9.4%

Source: Allied Market Research

Global smart homes, buildings (energy efficient, automated) market size was valued at \$32.0 billion in 2020, and is projected to reach \$78.2 billion by 2030, growing at a CAGR of 9.4% from 2021 to 2030.

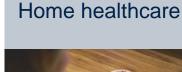
The **energy management** segment dominated the market in 2020, and is projected to remain the fastest-growing segment during the forecast period.







Lighting control











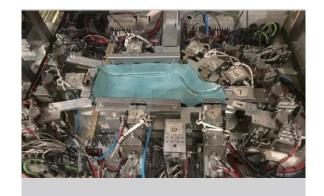
Automation market intelligence

Factory automation: 558.8B\$ by 2031; CAGR of 8.7%

Source: Allied Market Research

The global factory automation market was valued at \$242.5 billion in 2021 and is projected to reach \$558.8 billion by 2031, growing at a CAGR of 8.7% from 2022 to 2031.

New EV battery package products lines, casting machines, white body painting. Car products line used IO-Link products and driving the market growth.





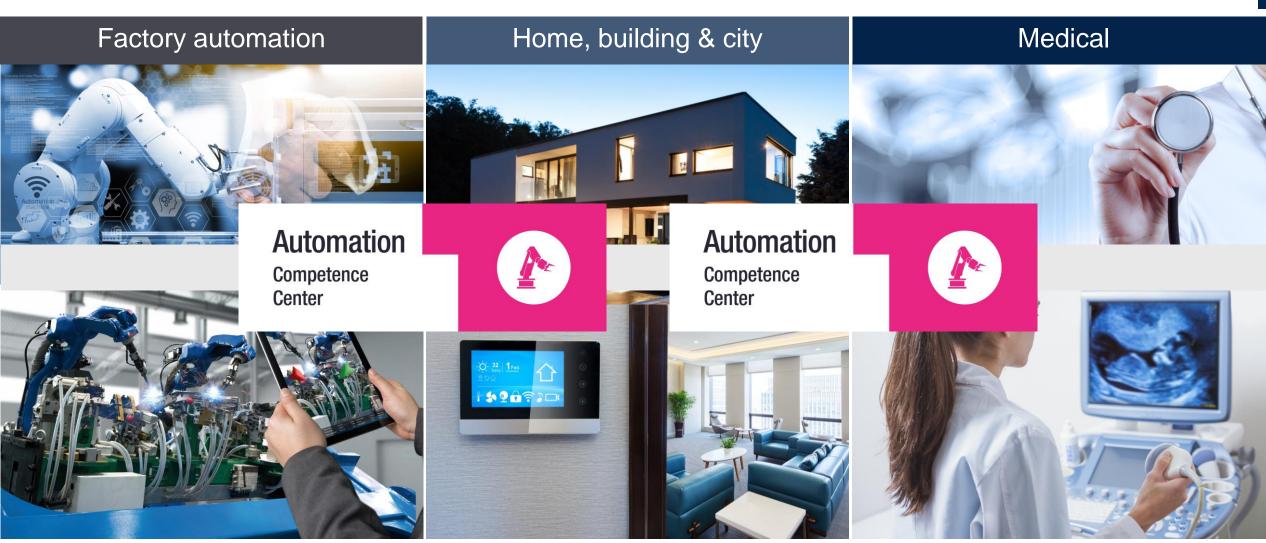






Source: www.gongkong.com https://www.sick.com/us/en/industries/automotive/vehicle-manufacturing https://www.ifm.com/us/en/downloadarea/AutomotiveContent_neu

Automation Competence Center focus applications



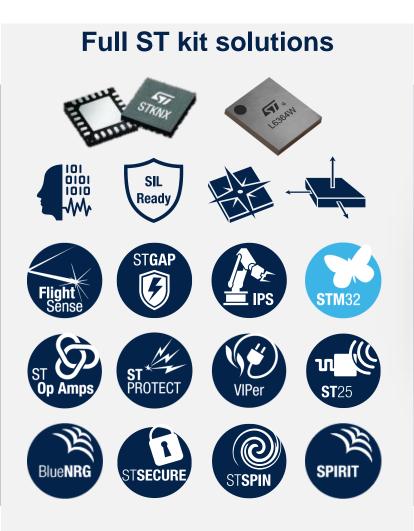


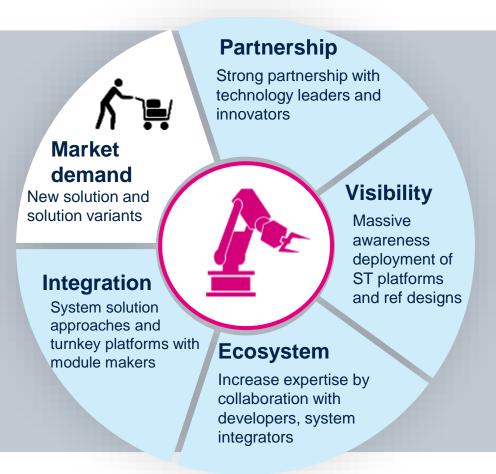




Our strategy to address automation





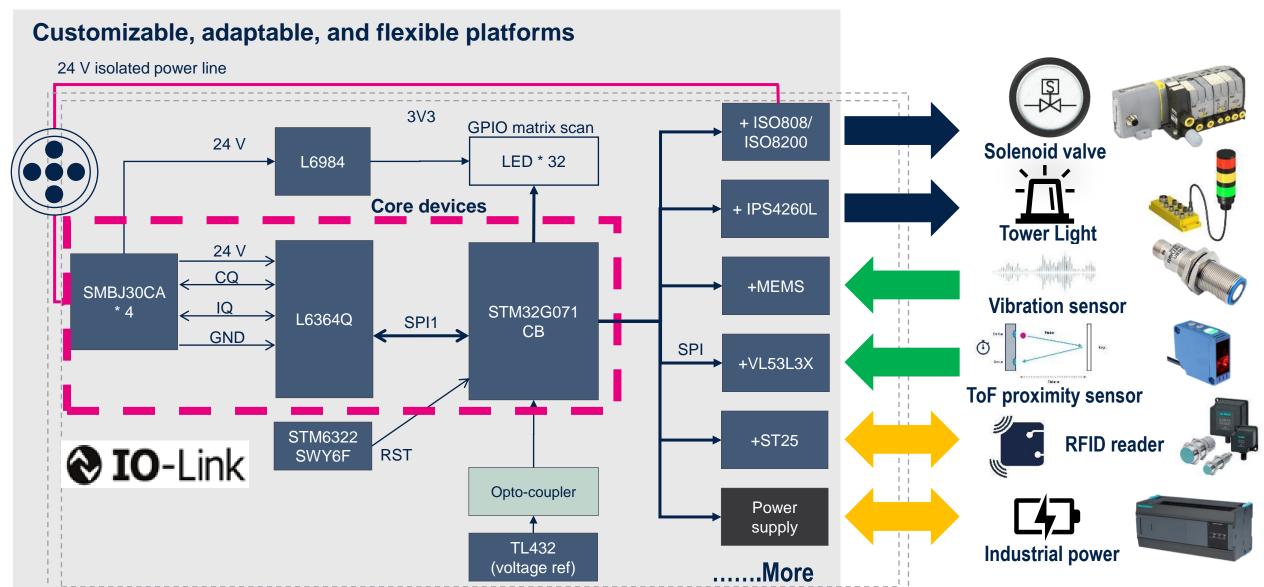


Factory automation

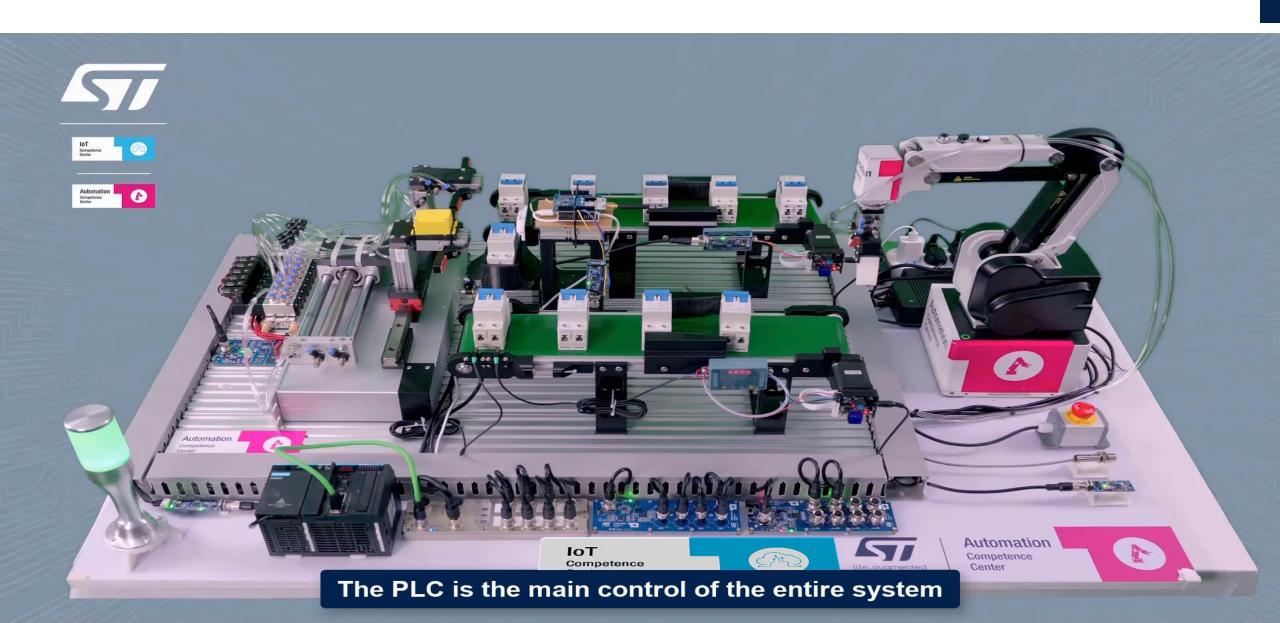




Factory Automation Solution variant and customer support



Smart factory automation

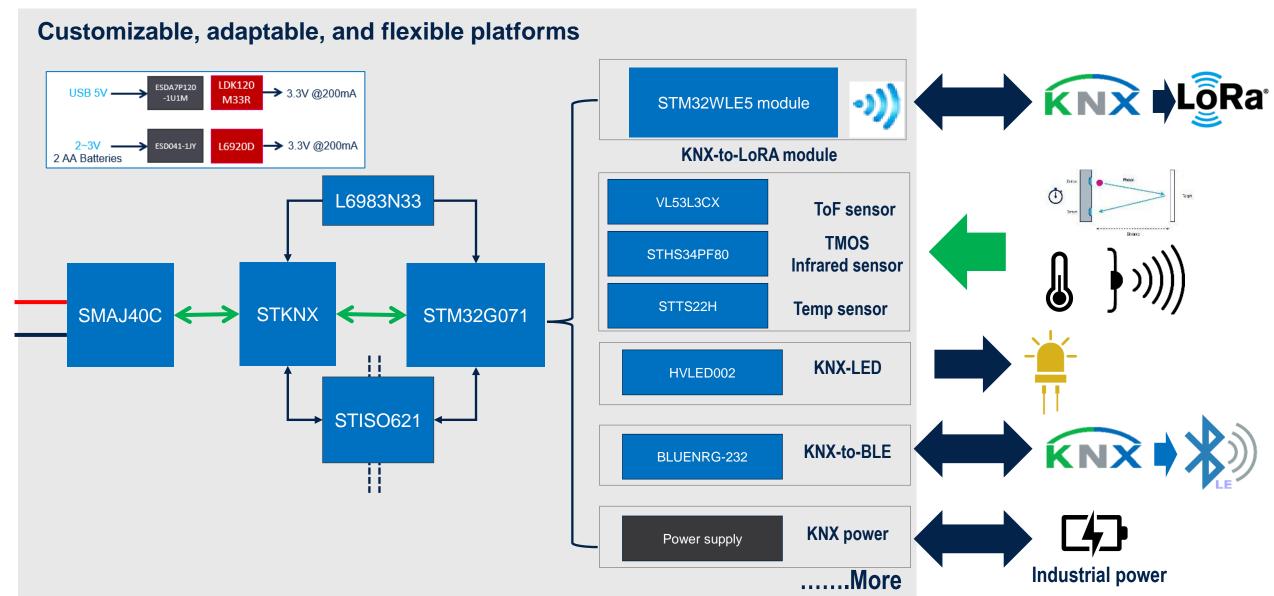


Home and building automation





Smart home, building, and city Solution variants and customer support

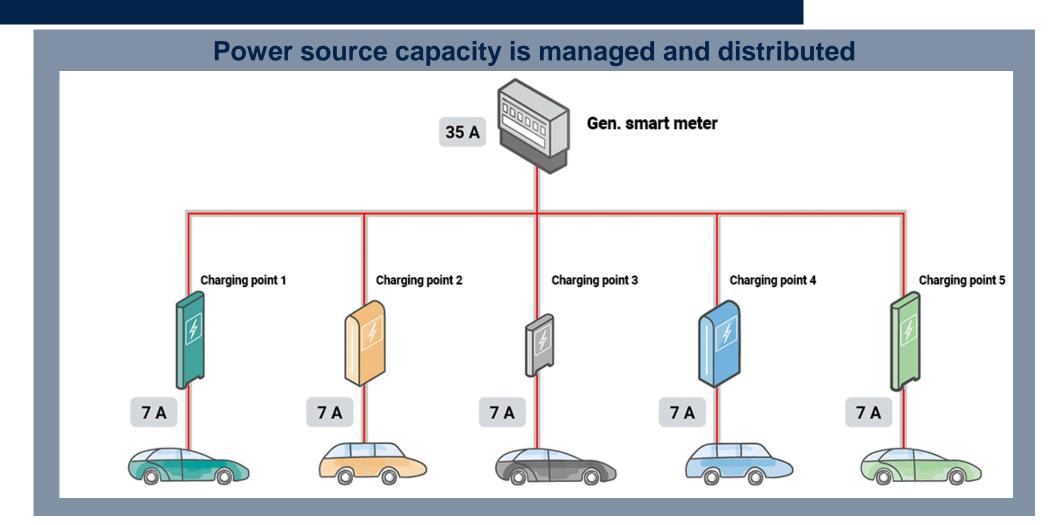


Smart home and building automation



Smart Parking: KNX Energy Management System concept

Intelligent usage of energy for EV charging systems





Smart home and building automation



Medical and healthcare





Open to partners: RT PCR solution for ASFV

ST system solution addressing African swine flu virus testing

ASFV (African swine flu virus) 80% mortality rate for pigs



ST solution proposal: Q3 testing machine, cartridge, and licensing



Market TAM in Australia

- **1.6Bn** pigs in Australia
- **4300** pig farms

5 to 17\$ cost/test

8 to ~30Bn\$ TAM



qPCR solution & value chain



ST:

- Q3 license (instrument reference design, software suite, tools)
- Support
- LoC disposable manufacturing & sales

Licensee:

- Instrument manufacturing, territory specialization, sales, and support
- Certifications (where needed)
- Disposable sales
- Operation & product responsibility

Q3 instrument (hardware + firmware), Q3 software suite (PC) LoC cartridge (disposable)



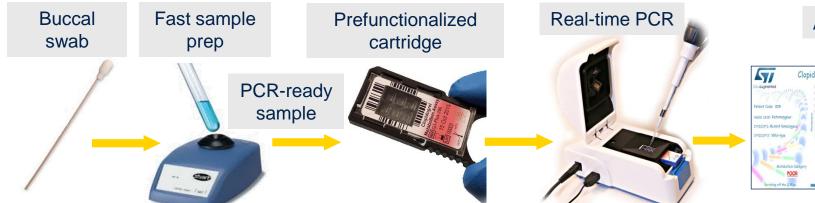


End user

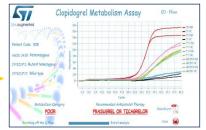
- Hospital, farms, customs
- Infectious diseases
- Genetic diseases
- Cancer therapy
- Food control
- Virus

Biological content to specialize the LoC for different applications (diseases)

Rapid and easy to use solution for diagnostic answer

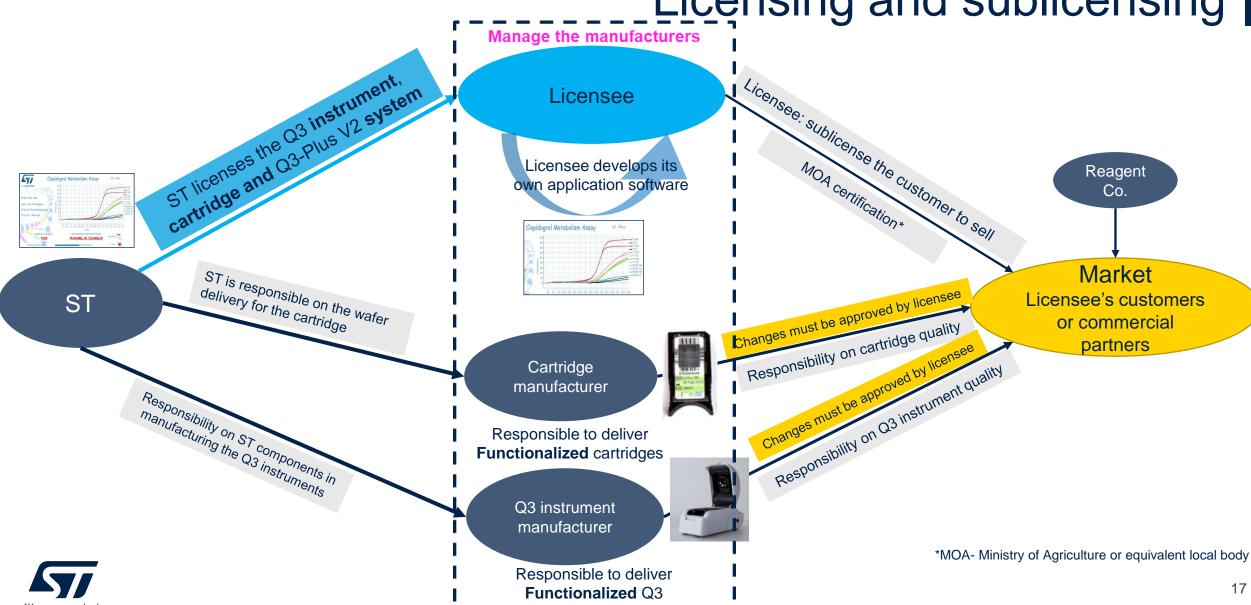


Answer





Medical qPCR Solution Partnership Licensing and sublicensing



instruments

Need customer solution and support? Submit a request now

Click this link to submit a request NSR submission form



Contact sales to open a new solution request (NSR)



Our technology starts with You



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