Inside Qt for Automation

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Qt for Automation, what, where?

Smart Factory

Customer Touchpoint

IoT

Control Units / Gateways

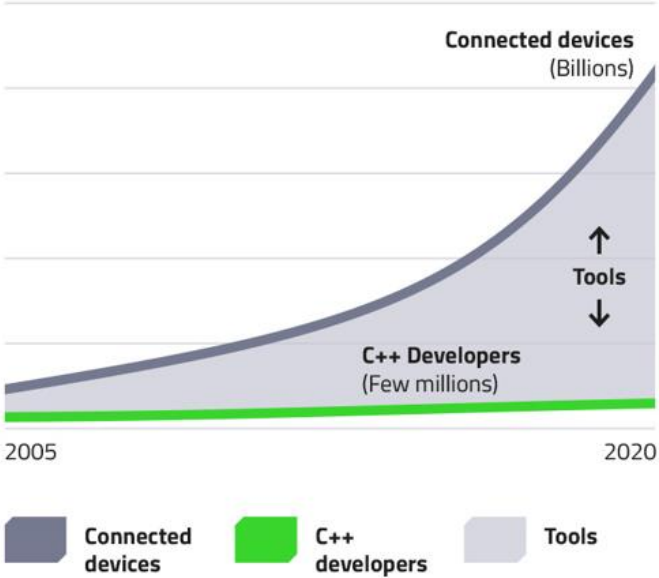Industry Automation

Building Automation

Service Automation

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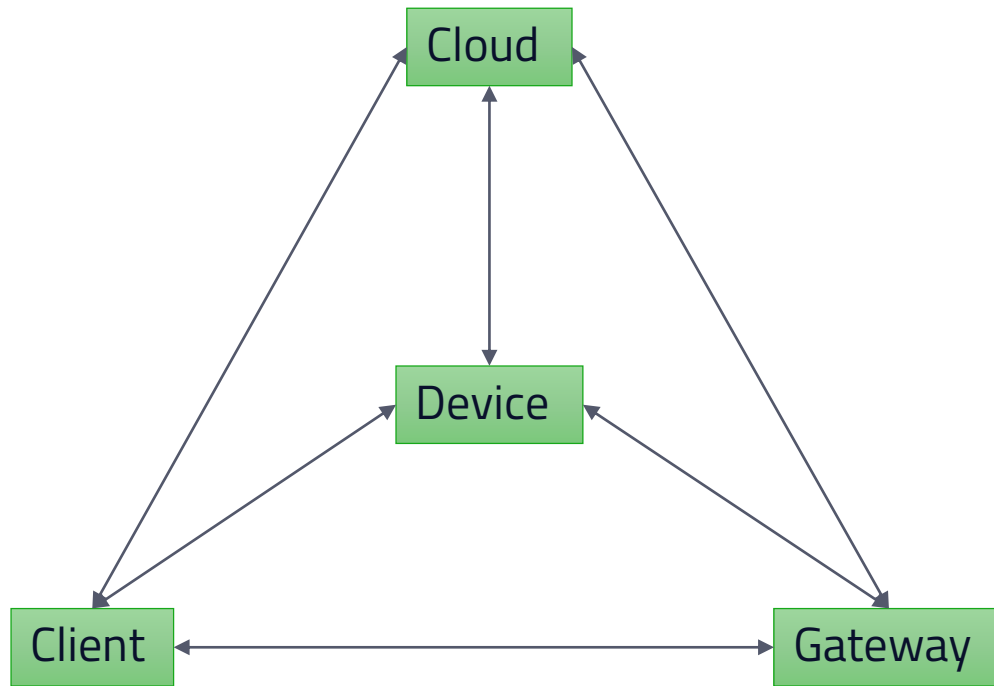
These are huge areas...

› ... but it boils down to

› Communication

› Scalability

Where Qt is used

> Strong background in Clients and Gateways

> Long history in embedded

> (Some) usage in cloud
>> Communication
>> Synchronization
>> OTA

Qt can do Automation already

› Bluetooth (LE), NFC

› Websockets

› Webchannel

› Databases

› REST / HTTP

› TCP / UDP

› SerialPort

› SerialBus (CANBus, Modbus,…)

› However, we believe we can simplify development even further

New modules with Qt

› MQTT

  › Minimal overhead, reliable, simple M2M protocol

  › Large market share among M2M protocols

  › Focusing on client side to connect / communicate with MQTT broker

› Furthermore: AMQP, DDS, 0MQ, …

› KNX

  › Most popular building automation protocol in Europe

  › KNX Client

  › KNX IoT

  › The Qt Company joinin the KNX Association

› Furthermore: ZigBee, Z-Wave

› OPC / UA

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Interested?

Visit our booth and talk to us

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