

All in One = INTACT®



Extreme Automation

QiTASC

the magic of E2E testing

Watch the presentation: https://youtu.be/TwbW_LKAERM



Full Stack Automation

Professional Service
and Highest Quality

Easy to Understand
& Reliable



Safe Time & Money



Transparency =
Take the right decisions





QiTASC

Quality improving Tools And Services Company

Key Task: Providing & keeping high quality

- ✓ Automating and validating the digital processes and scenarios end-to-end
- ✓ Developing the necessary tools required to keep high quality

The many possible Areas of working with intaQt®



Smart Infrastructures need Smart Testing

Digital products require continuous integration – High request for increased technical abilities

→ More complicated systems to be tested

Tighter time to market

→ Quality at Speed

⇒ A need to increase the efficiency of IoT testing!



Business Case: IoT

IoT Test Automation

Goals

- ensure that the devices work properly
- ensure that they communicate with their apps correctly

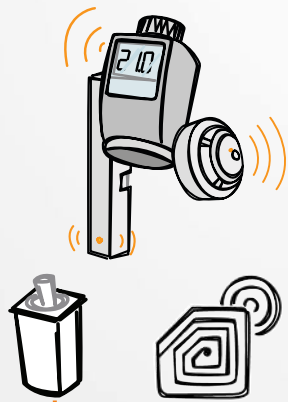
Challenges

- IoT device automation requires physical interaction
- multicontext frameworks, hard to automate E2E within one scenario:
 - IoT devices
 - apps
 - web UIs
 - backend systems
 - gateways
 - network elements
 - etc.



intaQt® IoT Test Automation Framework: Device Automation

IoT Devices



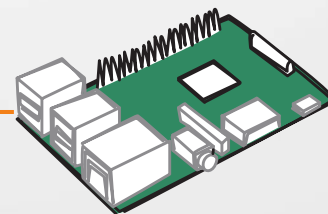
Actuators, sensors:

- Press button
- Move sensor
- Capture trace
- Switch on power
- Read display
- ...



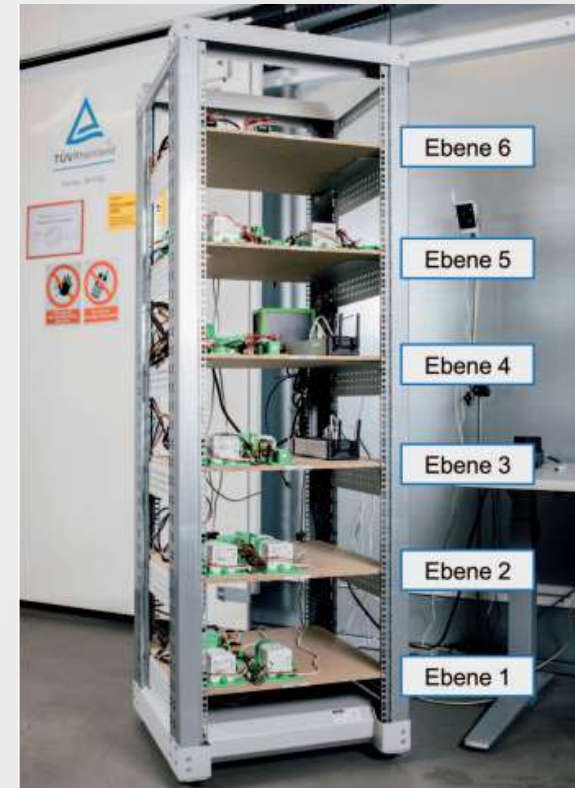
We developed housings in which we integrate actuators, sensors, motors, fans, etc. to enable physical interaction with the IoT devices.

IoT Device automation requires an **electronic layer** and a **mechanical layer**.



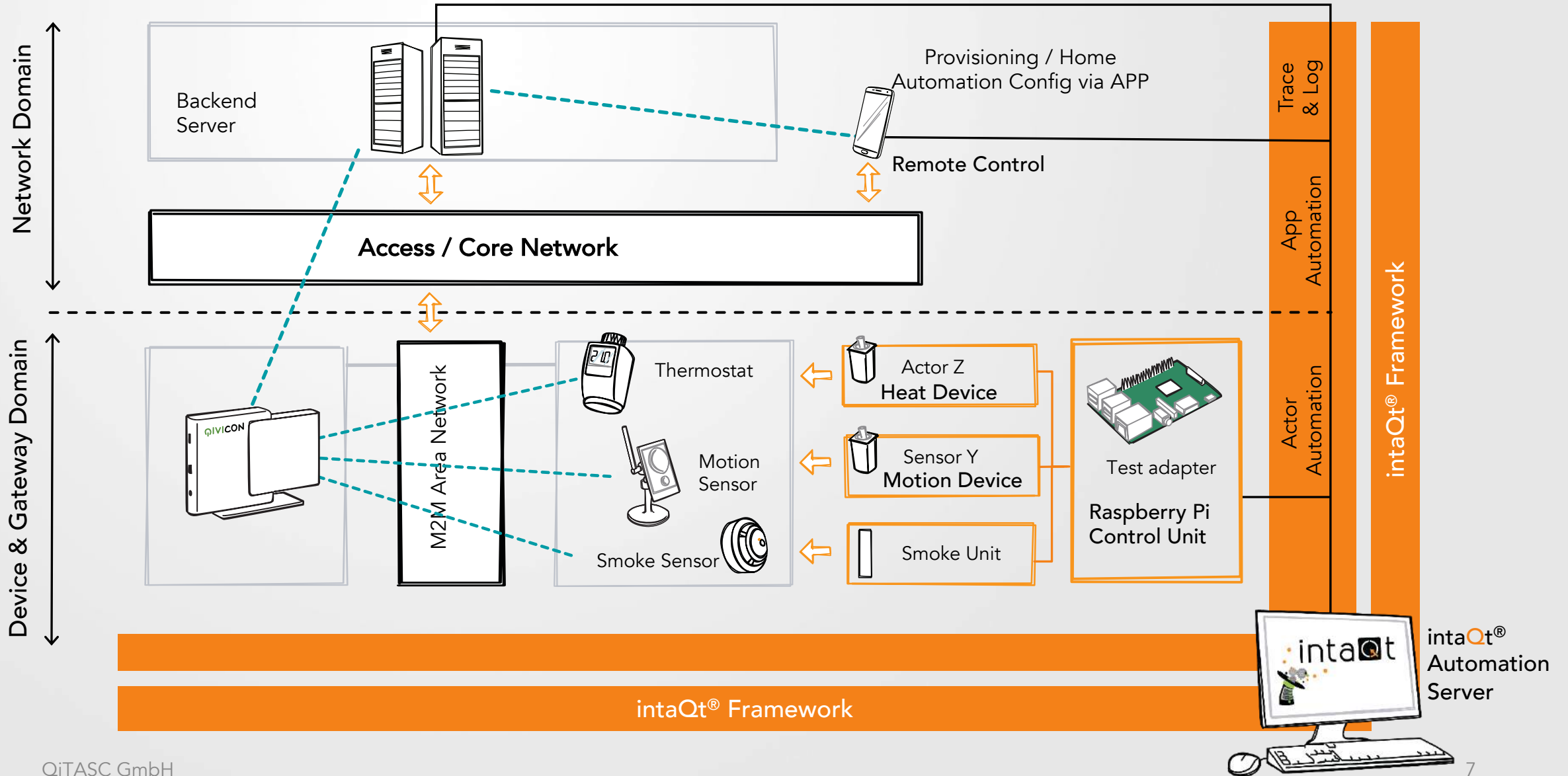
Electronic layer to control actuators, sensors, etc.

Development of IoT Setup



Behind the scenes: <https://youtu.be/R7rJyTpgSdw>

intaQt® Automation SetUp for IoT (3 devices)





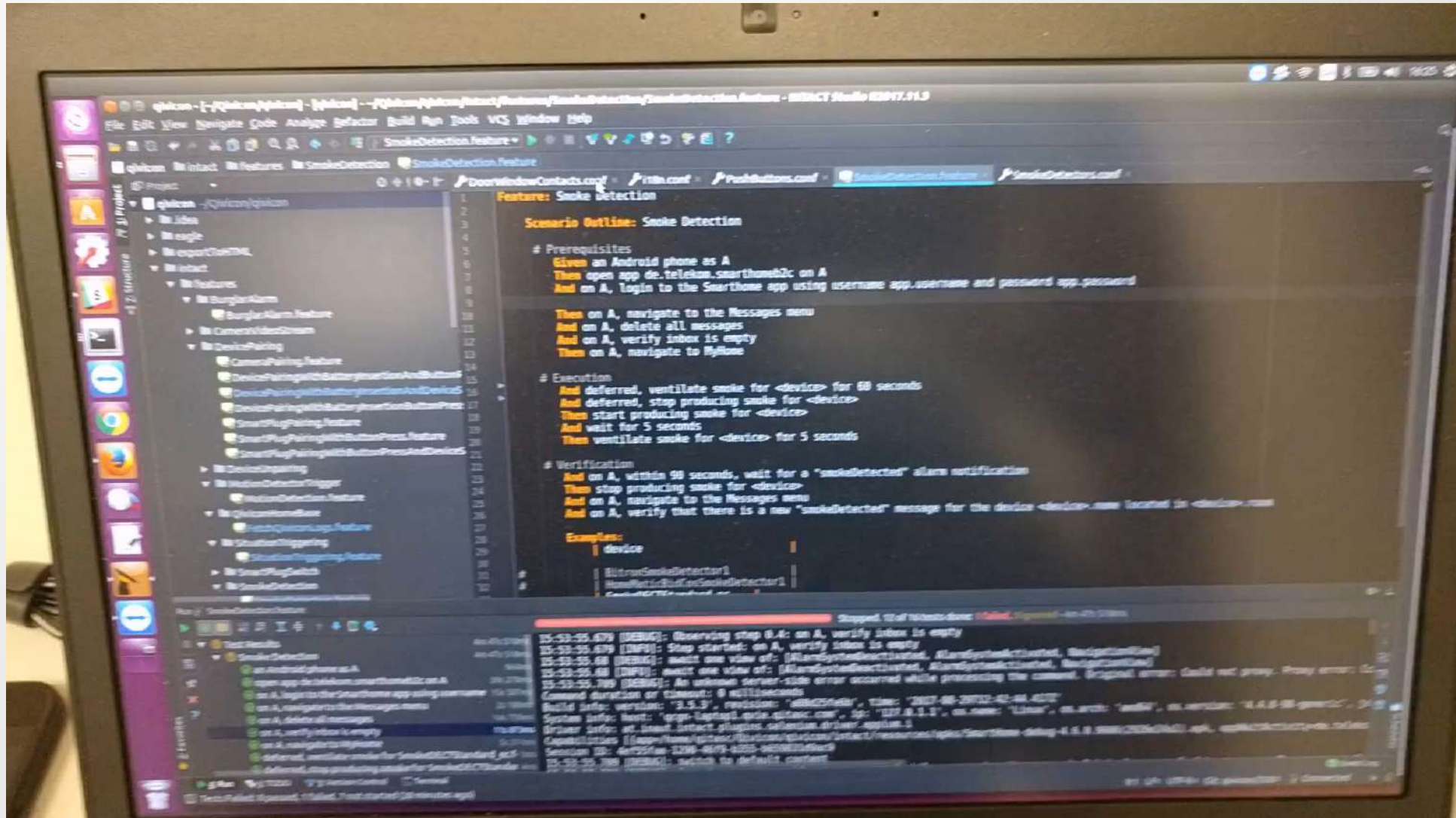
With QiTASC IoT Test Automation Framework:

- ✓ easier to repeat the tests
- ✓ quicker to find the defects
- ✓ quicker to go to market

Smart Infrastructures in Vital Roles to be Tested End-to-End Intelligently

- wearables
- smart cameras
- smart meters
- smart payment technologies
- smart surveillance
- mobile & desktop applications
- broadcast streaming and signal quality
- face recognition technologies
- non-touch solutions
- kiosks
- various other **sensors** and **processes...**

intaQt® Smoke Detector Automation Demo Video



IoT test case: <https://youtu.be/YT53dmwpoqA>

QiTASC Footprint

Proven Success

- Dublin
- Reading
- Düsseldorf
- Brussels
- Heerlen
- Cologne
- Madrid
- Eschborn
- Praha
- Vienna
- Milano
- Ankara
- Athens



Few References to prove our success



Internet of Things
Testing



CDR Verification for CS
and PS Core Network
VF-GER



VoLTE, 5G, Voice, SMS,
USSD, Data



Service Testing &
Network Verification



VF-UK, VF-IRL, VF-ESP.
VF-ITL, VF-CZ, VF-Ziggo



VoLTE, 5G, Voice, SMS,
Data



CCS OCS, together
with ATOS



Vodafone Group
Services ONB Testing
VF-GER



Consulting & IN-
Services



IMS Core Network
Verification



intaQt® License & Automated
Test



Testing Centre of
Excellence



Train Logistics SW Test



Connectivity Test



Type and Field Acceptance
for Converged Charging
VF-GER



Thank you!

Gamze Ugur Tuncer
Marketing & Sales Key Accountant

gamze.ugurtuncer@qitasc.com

www.qitasc.com

+43 699 17052538