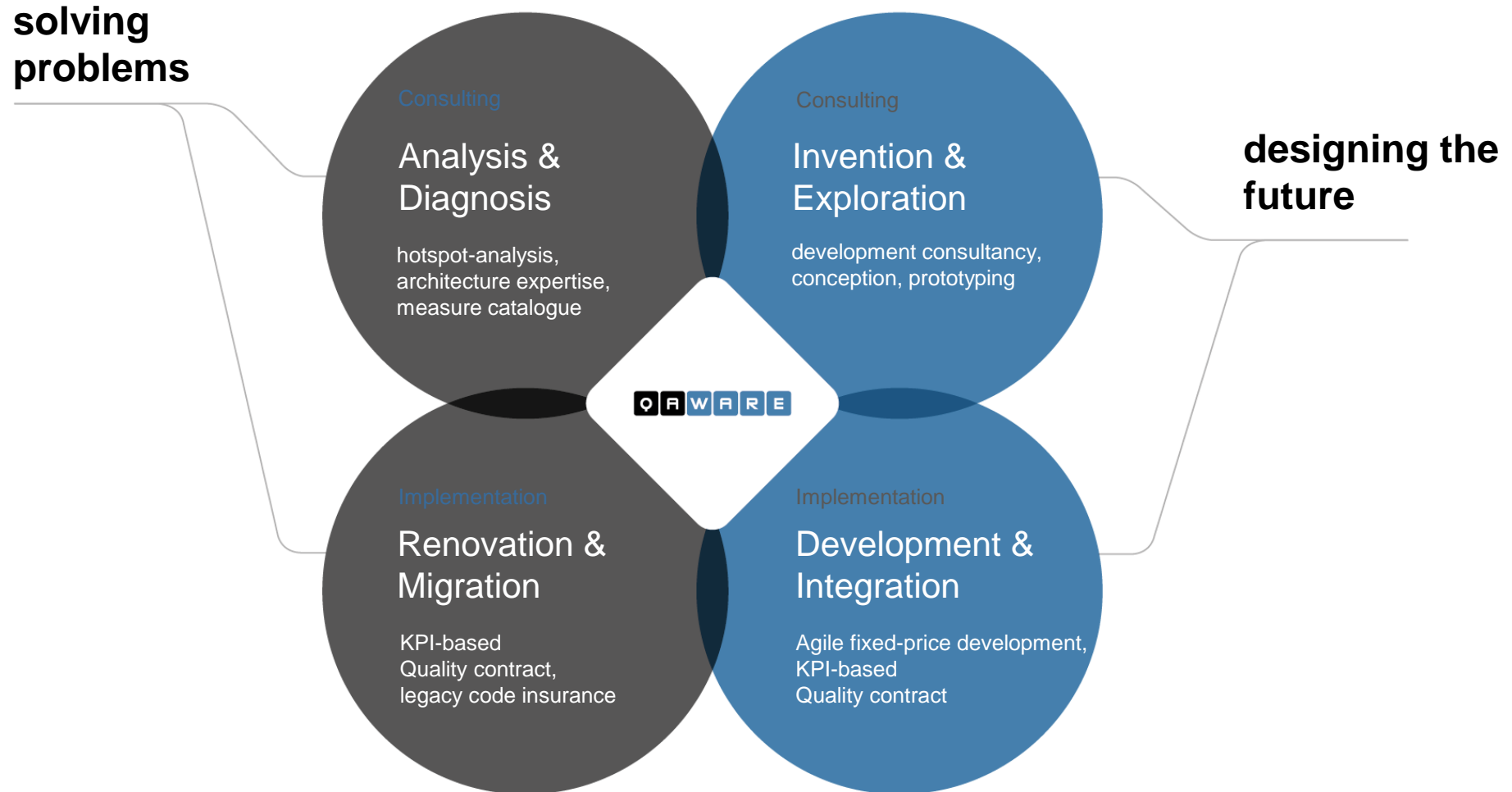


# QAware GmbH

## Smart Home Day

Darmstadt, May 20<sup>th</sup>, 2017

# Our Service Offer: We solve IT problems and design the future.



# QAware stands for quality and agility in software engineering. We have been distinguished multiple times as the Top IT company.

## Focus

- Eliminate IT problems: Analysis, diagnosis, renovation, migration
- Shaping the future with IT: Inventor's workshop, exploration, Agile new development, integration

## Productivity

- Software OEM
- Worldwide, unique tool chain for SW development
- Test automation

## Quality

- Software control panel: Continuous and automatic quality measurement of our software
- Binding quality contract

## Agility

- Proven and very successful project model for Agile development at a fixed price
- Agile, yet well planned in the project
- Agile fixed price contract

### Top team



90 employees,  
Ø 34 years old



All employees fared (very) well with their graduate degrees

20% graduated

### Top qualification



High-quality training program:

- QAcampus
- Ø 9 days/year of advanced education per employee

### Top employer



1<sup>st</sup> place GPTW 2016 (Germany)

- all sectors
- 50-500 employees



1<sup>st</sup> place kununu 2016 (Germany)

### Top performance

Sustained economic growth



# QAware & smart home

## Current involvement and capability

What we do:

- Develop bindings and integrate things into a Eclipse SmartHome (ESH) based smart home platform
- Develop and integrate plugins for a ESH based smart home platform (e.g. DECT radio standard integration)
- Contribute to Eclipse SmartHome community (platform enhancements, e.g. trigger function)
- Speak on IoT conferences and contribute articles in various (German) publications
- Member of the openHAB foundation

# Reference: smart home platform

## Customer

---

**German telco carrier**

## Project

---

- Smart Home Platform provided by a German telco carrier.
- Development and Integration of various smart home device bindings and radio standards.
- Consultancy for cloud-native technology migration.

## Tasks QAware

---

- Responsibility for development and integration.
- Support product innovation.
- Agile fixed-price development.

## Team

---

■ Currently 8-10

## Duration

---

■ 2014 - ongoing

Viele Geräte, eine Home Base – App geht's.



SMAPPEE SMARTMETERING



PLUGWISE heating control



NETATMO WETTERSTATION

# Reference: smart home STB

## Customer

---

**Telecommunication equipment provider**

## Project

---

- Proof of concept for smart home integration into a STB based on ESH.
- Development and integration of various smart home device bindings.

## Tasks QAware

---

- Support product innovation.
- Responsibility for development and integration.
- Development of cloud-native technology on embedded IoT devices.

## Team

---

■ 1 - 2

## Duration

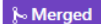
---


■ 2016 - 4 months





# ESH contributions: Trigger Channels


## Feature/triggers #1936

 Merged **kaikreuzer** merged 26 commits into `eclipse:master` from `phxql:feature/triggers` on 24 Sep 2016

 Conversation 106

 Commits 26

 Files changed 46

+1,103 -231 



phxql commented on 28 Jul 2016 • edited

Contributor

This PR implements a PoC for triggers.

Sample XML snippet:

```
<channel-type id="trigger_1" advanced="false">
  <trigger-type>String</trigger-type>
  <label>Trigger 1</label>
  <description>Description of trigger 1</description>
  <event>
    <options>
      <option value="PRESSED">pressed</option>
      <option value="RELEASED">released</option>
      <option value="DOUBLE_PRESSED">double pressed</option>
    </options>
  </event>
</channel-type>
```

In the handler:

```
emitEvent(TRIGGER_1, new StringType("PRESSED"));
```

In the rule engine DSL:

```
rule "Test the trigger"
when
  Channel 'triggertest:sample:9c9a498d:trigger_1' triggered PRESSED
then
  DemoString.postUpdate("Triggered: " + receivedEvent.event)
end
```

Reviewers

 maggu2810 

Assignees

No one assigned

Labels

None yet

Projects



None yet

Milestone

No milestone

7 participants



  kaikreuzer and 1 other commented on an outdated diff on 1 Aug 2016

 Show 3 comments

# OpenHAB contribution: Concierge Runtime

## Initial contribution of smarthome packaging sample #1

**Merged** kaikreuzer merged 9 commits into `eclipse:master` from `chrisschauer:master` on 27 Sep 2016

Conversation 28

Commits 9

Files changed 16

+1,517 -0



chrisschauer commented on 23 Sep 2016

Contributor

See: [eclipse/smarthome#602](#)

Initial contribution of smarthome packaging sample ...

9cb56d1

chrisschauer referenced this pull request in [eclipse/smarthome](#) on 23 Sep 2016

Provide a distribution of Eclipse SmartHome based on Concierge #602

Closed



kaikreuzer approved these changes on 23 Sep 2016

View changes

This looks awesome and it worked for me right away - well done!  
Besides a few minor comments, I'd be fine to merge it.

README.md

Show outdated

README.md

Show outdated

README.md

Show outdated

README.md

Show outdated

README.md

Show outdated

Reviewers

maggu2810



JochenHiller



kaikreuzer



Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

4 participants





# Kontakt

[moritz.kammerer@qaware.de](mailto:moritz.kammerer@qaware.de)