Creating IoT demos with IoTivity

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Our challenge: create IoTivity demo(s)

Mid 2014: **OIC** and **IoTivity** are officially born!

- How do we **show** the world our vision?

- How do we **explain** how IoTivity can help?

Compelling demos that highlight the *vision*

Demo Objectives

- Highlight the vision

- Complex and realistic use-case

- Demonstrate the features

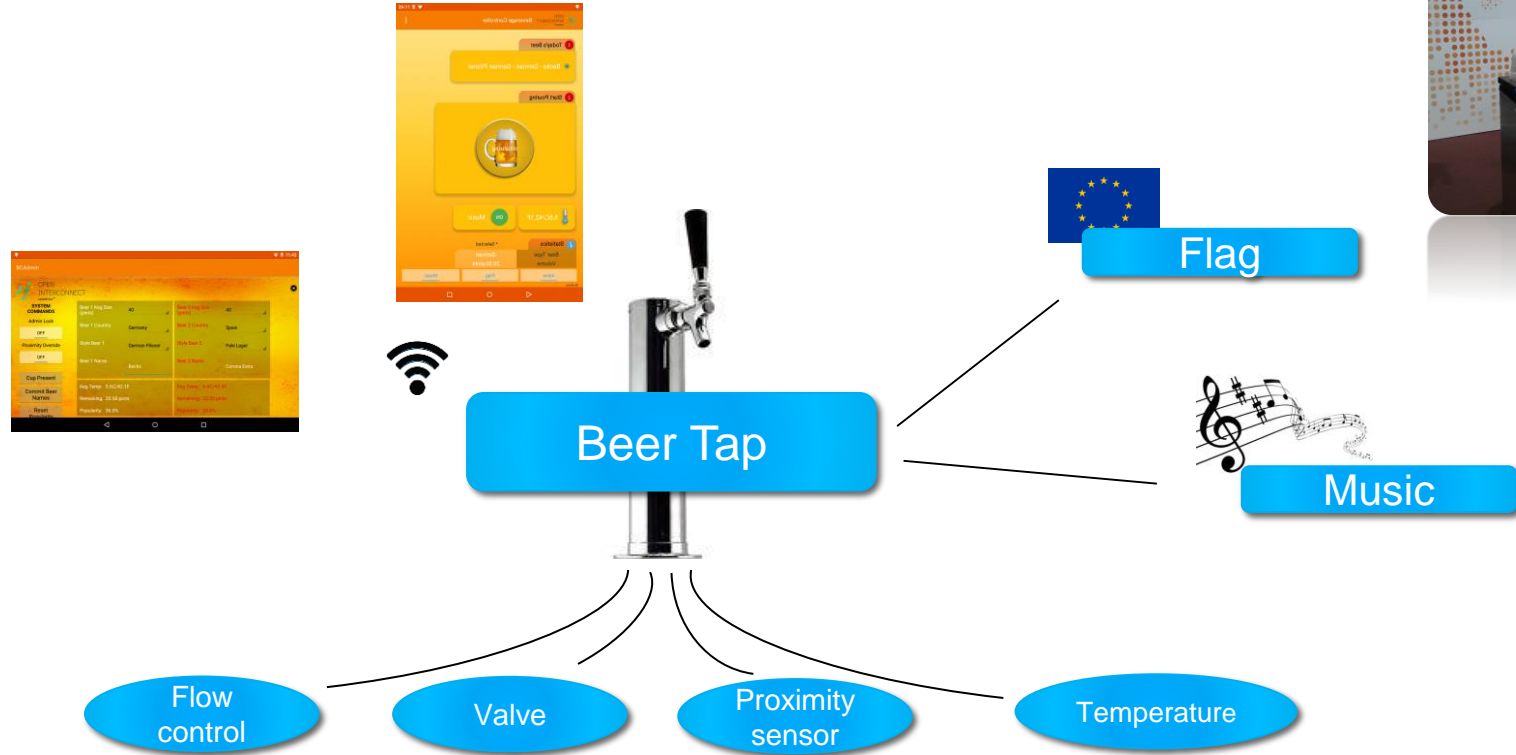- Easy to understand
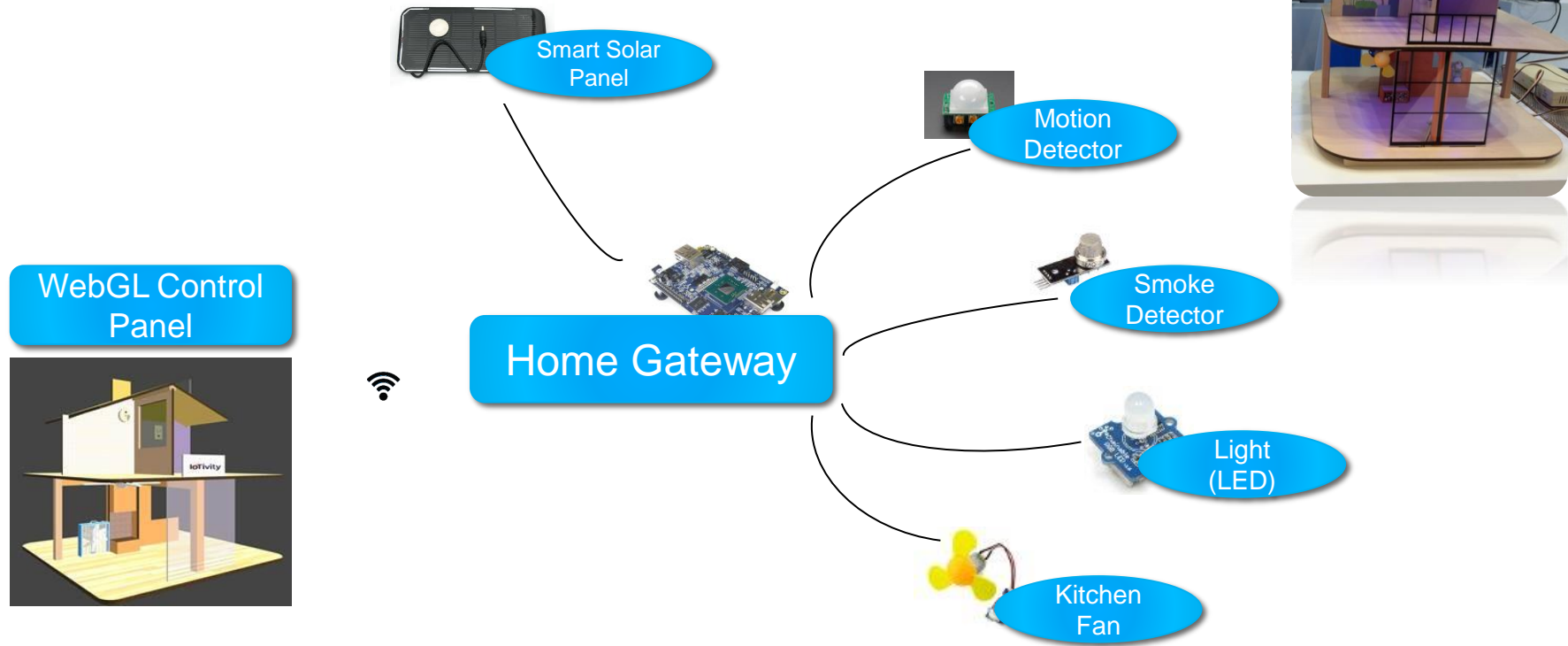
- Entertaining

IoTivity demos

SmartTap

SmartHome

SmartTap demo

Beer Tap

Flag

Music

Flow control

Valve

Proximity sensor

Temperature

SmartHome demo

Smart Solar Panel

Motion Detector

Smoke Detector

Light (LED)

Kitchen Fan

Home Gateway

WebGL Control Panel

Some challenges along the way...

- IoTivity under heavy development

  - Some APIs changed

  - Features incomplete

- Complex environment

  - Different platforms: Android, Linux, Arduino

  - Inconsistencies across platforms

  - Constrained devices

Summary

Our IoTivity demos have helped:

- Highlight and disseminate the OIC/IoTivity vision

- (In)validate technical choices early

- Understand the users' perspective

- Catch (and prioritize) more complex issues

Visit us at the IoTivity and Intel booths

Thank you!