



# **Z-Wave**

## **a real-world approach for IoT in domestic homes**

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# Is Smart Home IoT ?

- In a Smart Home Actuators (like thermostats, lights, blinds, fridges ...) and Sensor (Motion, Door, Temperature) are communicating among each other and with other HMIs to inform and automate.
- Its IoT that is real and hence can be used as case study



# What is Z-Wave ?



Z-Wave is the **international standard** for **wireless** control of devices in the **smart home**. Z-Wave enables different products such from **different vendors to work together**.

*More than 1500 certified Z-Wave products include electrical switches, dimmers, blind controls, door locks, sensors of various kind, door openers, remote controls, ...*



# Reality Check

- **Smart Home is growing is >> 30 % yoy**  
... but its „the next big thing“ for about 30 years
- **Smart Home has partly crossed the chasm**  
... but its still mainly technology driven
- **Smart Home is covering all sensor/actor functions** within the home  
... but 90 % of the use is „remote access“

# Smart Home of the future (5y+)



- Control will be truly automated
- HMI will be „natural“ or does not even exist
- Machine-Based Learning will replace „configuration“
- Smart Home will be normal part of standard homes but less than 50 % of all homes will have it (how many cars have automated light, air condition and cruise control ?)