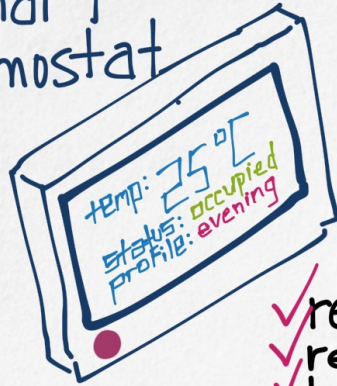


IOT Mantra

→ any device which
can be connected
will be connected ←

year 2025: > 30 BILLION devices!

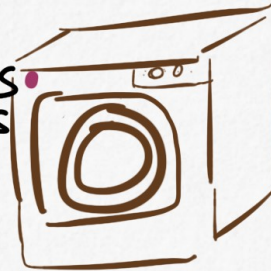
smart
thermostat



smart
lights
&
smart
appliances



✓ reminders
✓ recommendations
✓ lowered expenses
✓ time savings



smart
security

smart
assistant
(Alexa/
Google/
Siri)



YOUR IoT
LIFE

wearable
smarts



connected
e-bike



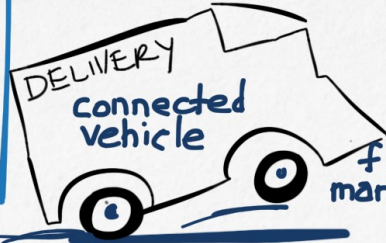
smart transportation

technological hurdles

- security
- privacy
- form factor
- energy
- mobility
- bandwidth

IOT in Industry

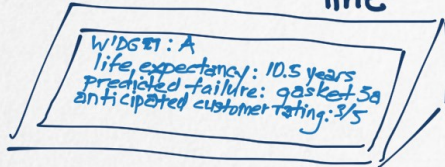
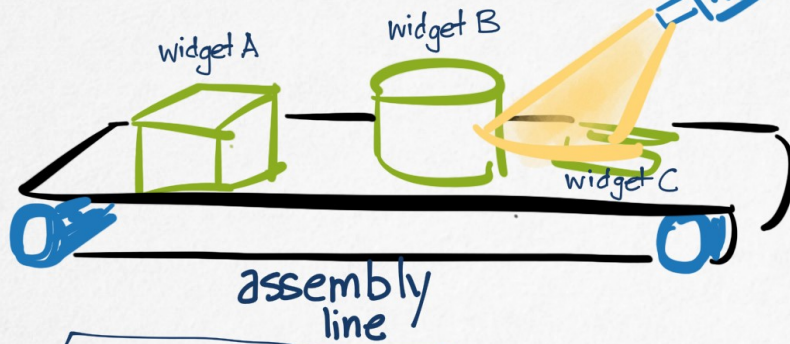
supply chain



optimization:

- ✓ minimize inventory
- ✓ improve production
- ✓ reduce shipments

smart manufacturing



- flexible manufacturing
- predictive analytics
- cost optimization

Security a priority

- many industrial operations are apprehensive about being "connected"
- existing security technologies can be adapted to IOT applications, fortunately!

a.k.a.
"the cloud"

global server
network

cloud-mediated
intelligence

wired/optical fiber
backbone

cellular WAN
(long range)

wireless
communications

Bluetooth/
BLE
(close
range)

WLAN (802.11)

