

# What's all the fuss about it?

**IoT benefits for Consumers:** 

Remotely monitor and control devices for peace of mind

Energy efficiency of household devices

Extends lifecycle for products

Products co-operate and manage themselves

**IoT benefits for Companies:** 

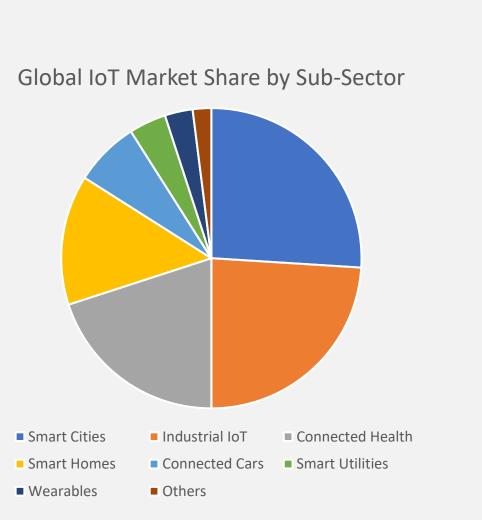
Gain insight into customer usage and device performance to improve future products

New opportunity to monetize value added service around product usage

Better insight into supply chain management

Ability to update products in the field to enhance capabilities and extend lifecycle

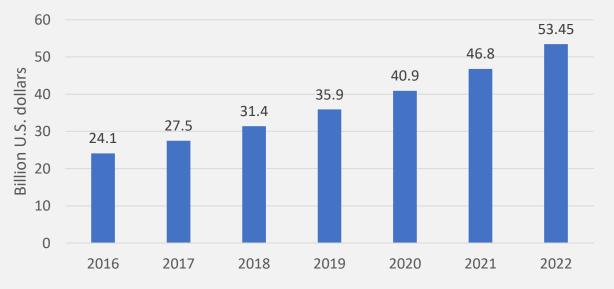




Source: growthenabler.com



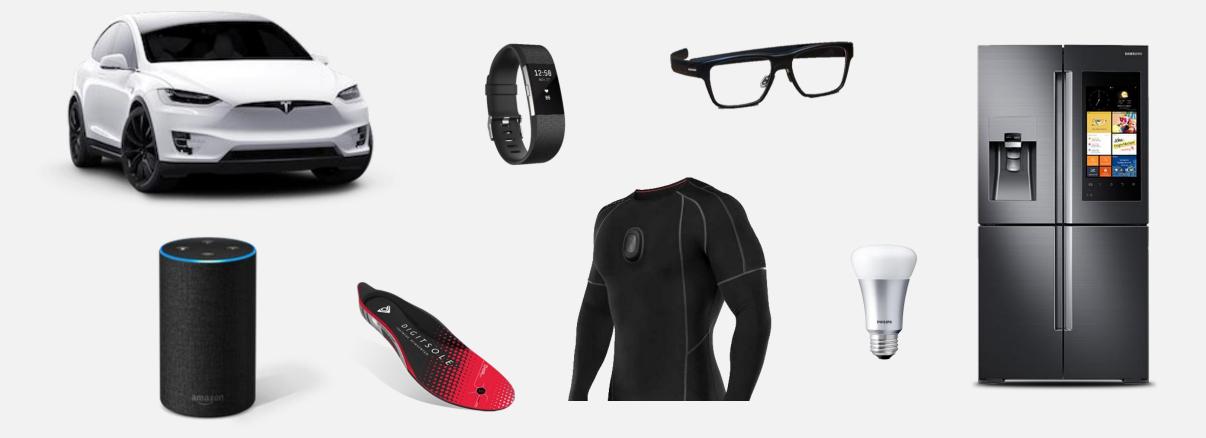
### Market Size of Smart Home Forecast



#### Source: Statista.com

The **Internet of Things (IoT)** is the network of physical devices, vehicles, home appliances and other items embedded with electronics, software, sensors, actuators, and connectivity which enables these objects to connect and exchange data.

Source: Wikipedia



## PC/Laptop



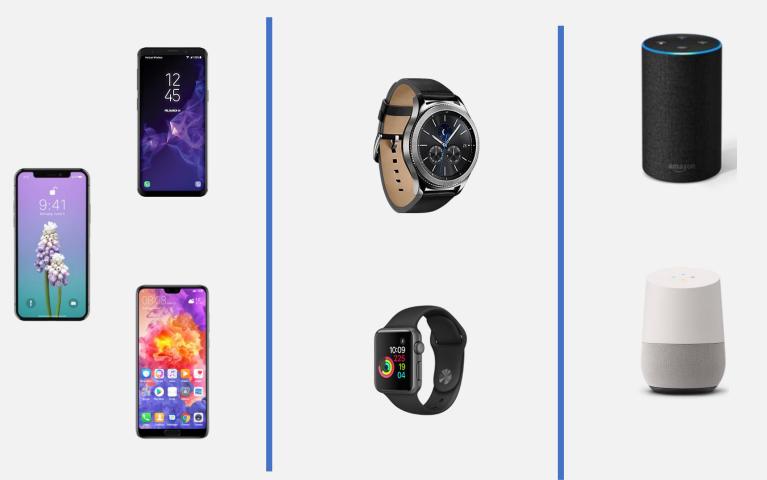




### Smartphone

### Smartwatch

Voice



# **Security and Privacy**

"loT is hackers' new playground."

"For a hacker, that's a pretty big new target to attack."

"Security doesn't sell..."

Companies are focused on money, so security always came second... Until now!

### DDoS attacks increased 91% in 2017 thanks to IoT

Source: Corero Network Security

Facebook scandal (Cambridge Analytica)

General Data Protection Privacy

Data protection and privacy

End-to-end encrypted communication



# Your normal plug, now with brain



# HAM Network



# HAM Software

## Easy access to your devices through our website or app







To control our demo devices you can visit our website https://hamsystems.eu

# HAM Software

## Full power and energy consumption data analytics throughout the whole year



#### 9 Apr 2018 19:39 - Today at 19:39

Today This Week This Month This Year

Power(W) React. Power(VAR) ● Energy(kWh) ● Energy 2(kWh) ● Current(A) ● Voltage(V) ● Temperature(°C) ⊂ Cost appr.(€)
 Power Factor ● Frequency(Hz) ● Angle(degrees) ● Cool Stg 1 ● Cool Stg 2 ● Heat Stg 1 ■ Heat Stg 2 ■ Fan ● Aux ● Battery
 ● General Input ● Out(%) ● Out 2(%) ● Out 3(%) ● Out 4(%) ● Out R(%) ● Target(°C) ■ Mode

#### Show data for

None All Park Lights Suitcase Home Beach house HAM HQ Dock

 Suitcase Plug
 Office Light
 • LED Lights
 • Room Lights 2
 • Room Lights 1
 • Room Lights 2
 • Room Light 3
 • Room Light

🚣 Download CSV



9 Apr 2018 19:47 - Today at 19:47

Foday This Week This Month This Year

#### Show data for

None All Park Lights Office Lights Suitcase Home Beach house HAM HQ Dock

 Office Light
 Suitcase Plug
 Suitcase DIN
 Suitcase Thermostat
 Suitcase Din Switch
 Ham Plug
 Thermometer
 Room Lights 1

 • Room Lights 2
 • Park Lights 1
 • Park Lights 2
 • TV
 • ESP12-e
 • LED Lights
 • Thermostat
 • Waterheater
 • Suitcase DinSwitch

 • Περιστερά
 • Isolation Transformer
 • Din Lights
 • HAM DinSwitch
 • Lefteris Plug
 • Lab Outlet
 • Lobby Outlet
 • Suitcase Plug

 • Suitcase LightSwitch
 • Bathroom Light
 • Door Light
 • Suitcase LightSwitch
 • Bathroom Light
 • Suitcase LightSwitch

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To control our demo devices you can visit our website https://hamsystems.eu



## Panagiotis Pampalos Co-Founder and CEO





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