Internet-of-Things (IoT)

Introduction

What is IoT

- 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 things to connect, collect and exchange data[1].

- IoT refer to the connection of devices to the Internet.

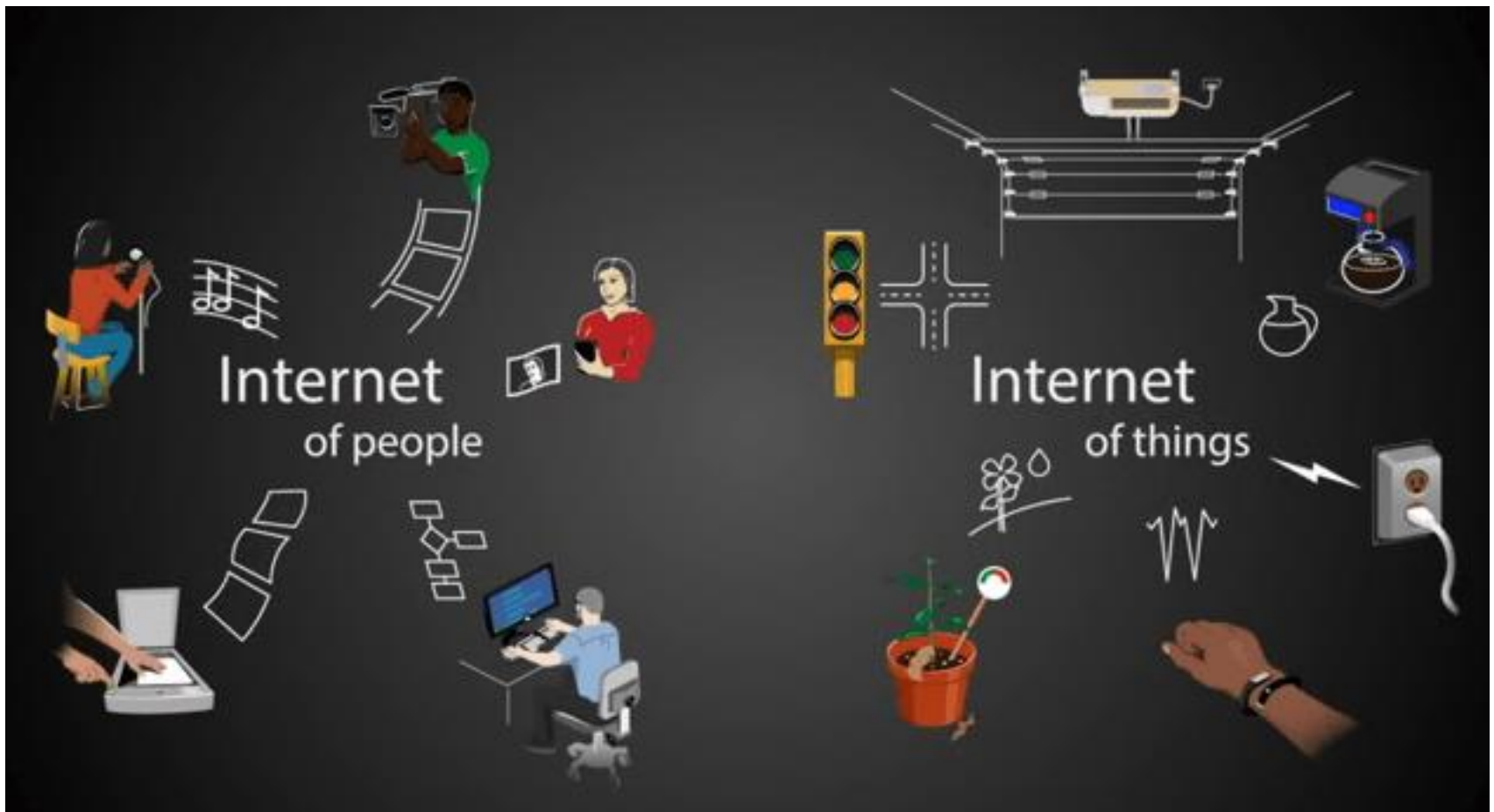[1]https://en.wikipedia.org/wiki/Internet_of_things

Internet of People (IOP)

- People are connected with the Internet.

- Internet is everywhere in the World.

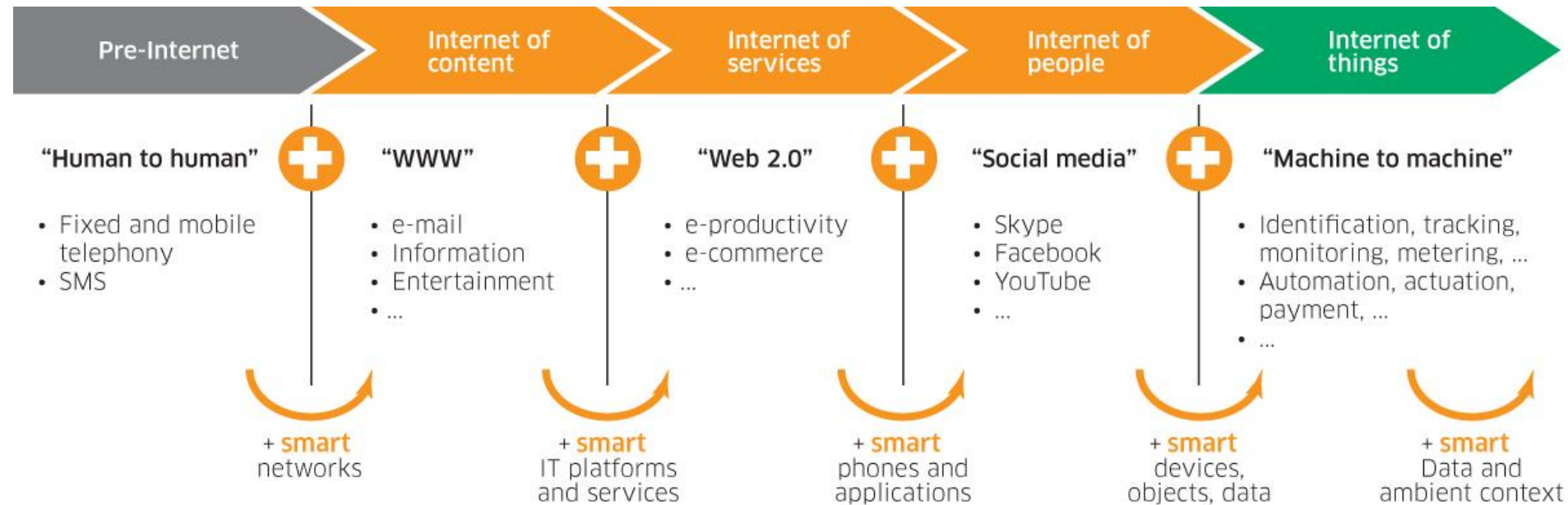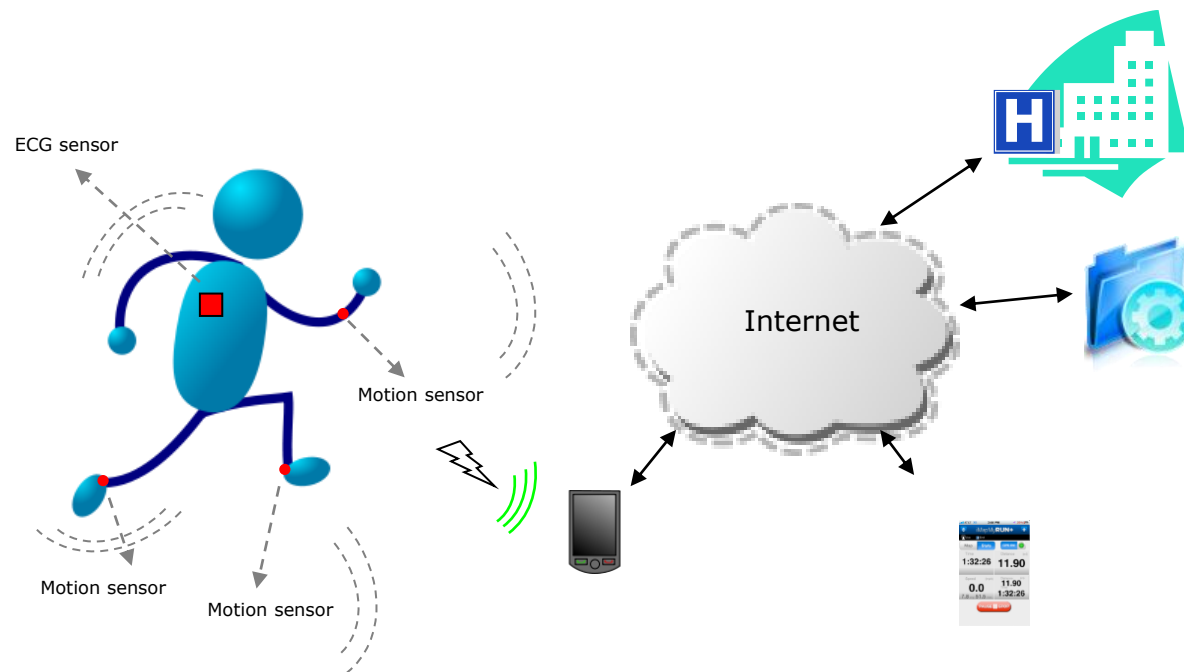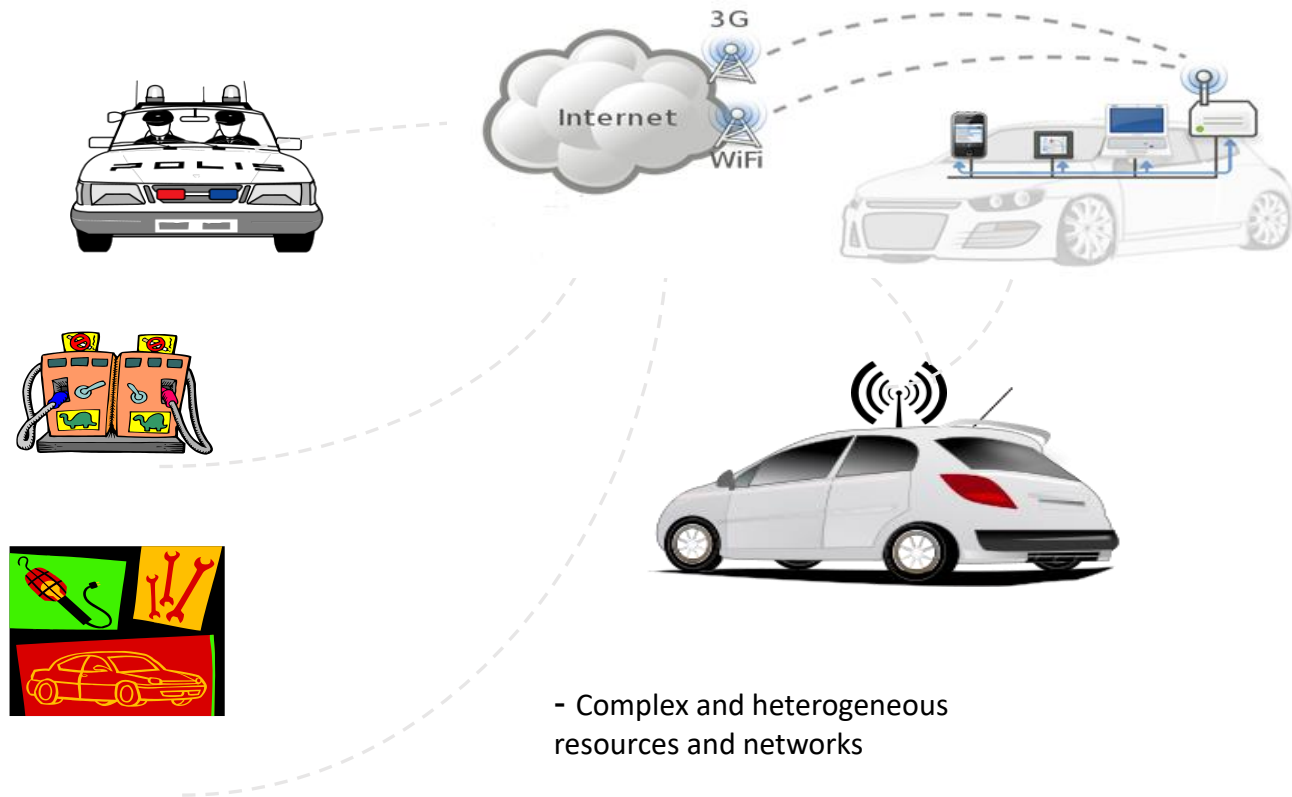- It is the primary connection between people.

Internet-of-Things Evolution

Pre-Internet	Internet of content	Internet of services	Internet of people	Internet of things
"Human to human"	"WWW"	"Web 2.0"	"Social media"	"Machine to machine"
• Fixed and mobile telephony • SMS	• e-mail • Information • Entertainment • ...	• e-productivity • e-commerce • ...	• Skype • Facebook • YouTube • ...	• Identification, tracking, monitoring, metering, ... • Automation, actuation, payment, ... • ...
+ smart networks	+ smart IT platforms and services	+ smart phones and applications	+ smart devices, objects, data	+ smart Data and ambient context

- Complex and heterogeneous resources and networks

Where is IOT?

IOT is everywhere!