Internet of Things (IOT)

Internet of things is a smart way of connecting any devices (doors, bats, curtains, gates) to a hub where these devices exchange data with one another and performs actions autonomously or with simple commands like click of buttons.
Examples:
Lighting up the room as it gets dark
Locking up doors when user leaves home
Keeping an eye on movements at home when not around
Making coffee as you wake up
Playing specific playlist when you enter balcony
Irrigate only those part of soil which requires water and many more

A product when embedded with a system using Arduino, Raspberry pie, sensors and connected with mobile devices remotely via internet, the product now can be controlled, analyzed, updated and monitored with ease and less time. This small system can be referred as product system. When these product systems are connected to other product systems makes up system of systems where they share data, analytics with other devices and human operator obtained form sensor based values.

With this approach traditional products can be transformed to add up remote operations, add values to their products and many more.

Remote operations can help users to take actions like maintain home temperature as you leave office, start making coffee remotely. Company also can change their design strategy as IOT allows evergreen design meaning the operating procedure of the product can be changed entirely just by updating the software rather than bringing back the product to maintenance or workshops saving time and money.

As product can share information we can collect, analyze and use to inform all sorts of business decision.