

# Smart Communities & IoT



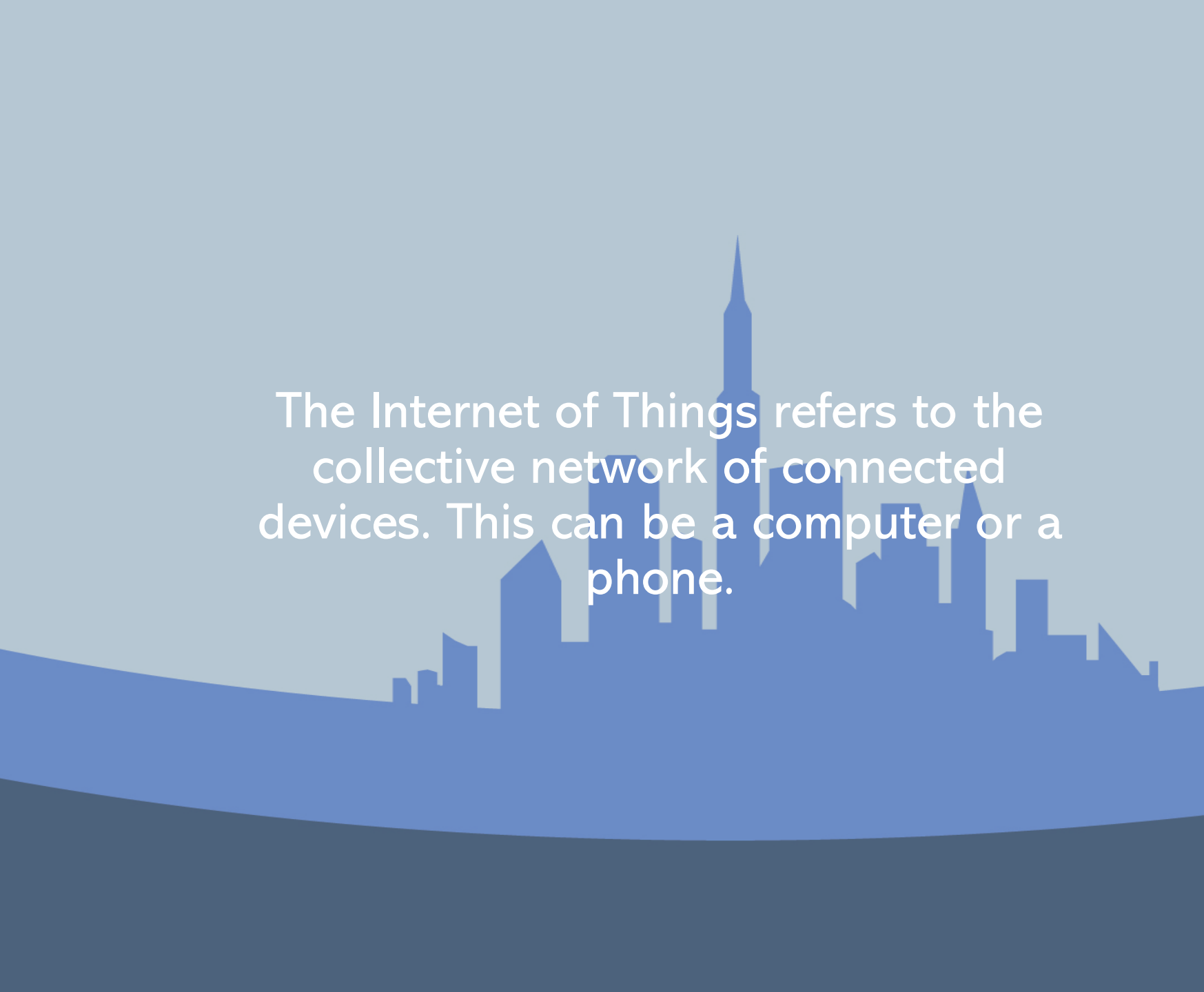


## Our scenario (3):

- Megabytes have won a contract to be involved in the creation of a smart community replacing Fawley Towers
- This means that the area will become a part of the Internet of Things and an Interconnected World

## **IOT (Internet Of Things) What is it?**

The Internet of Things refers to the collective network of connected devices. This can be a computer or a phone.





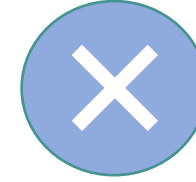
## What is a smart community?

A Smart community is an interconnected city, community, or region that make use of technologies to benefit its citizens, businesses, and service organizations for economic growth, social benefits, and environmental sustainability.

# What are the benefits/ downsides of a Smart Community?



- Streamline, makes everything a little bit easier
- Accessibility to the rest of the world – connected to the Internet.
  - Cost and energy savings.
  - Reduce environmental footprint.



- People may be concerned with their privacy. E.G. Company computers or surveillance
  - There may be an increase in cybercrime/cyberterrorism
  - There is a risk of system failure, and that may ruin the smart community
    - Lack of public awareness.
- Building and maintaining infrastructure is costly and challenging.

# Data collection and protection

Things that are thought about before collecting data are as follows:

- The aim of the research
- What type of data needs to be collected
- The methods used to collect, store and process data



It will have to have to follow the Data Protection Act. This ensures that people's data is protected and issues rules about how data about people can be used.