Thirst for Data – Nick Chrissos

Abstract

Seven years ago smart was new and now it is everywhere. Technological developments in hardware, batteries, and data (to name a few) has made creating devises and communicating between devices significantly cheaper. There are lots of smart city projects already running, but in isolation. Manchester is looking to write the next chapter. Focusing on a 2 km^2 area and working with 21 delivery partners the project is creating a 'platform for platforms', from a network of sensors through city infrastructure, applications can be enabled to manage the city environment. A primary goal is to create a replicable platform that can be used from city to city.

- Cisco are currently involved in multiple IoT projects, mostly government funded working with Innovation UK and CityVerve
- Severn years ago smart was new and now it is everywhere
- In the last five years hardware has become significantly cheaper
- Citizens expectation is now high, I can get Uber in 10 minutes
- There are a lot of smart city projects running across the globe, but in isolation
- Manchester is looking to write the next chapter, creating a platform for platforms
- The project is working to meet 120 use cases, focusing on a 2km^2 area and involving 21 partners
- It is not just about monitoring but creating active results, examples include
  - Routes avoiding pollution
  - Free bus rides if users walk to the next station
  - Changing user behaviour in the house through taking advantage of cheaper electricity times
- Ordnance Survey is providing the base spatial data enabling the linking of data
- Very detailed data has been captured, including street furniture, dropped kerbs has been captured
- User centred design, users are involved from beginning to end
- Reaching the citizen has been part of the challenge, the project is looking at innovative ways of disseminating information e.g. art installations around the city
- The platform brings the data together, it needs to be scalable and sustainable, the project is looking at revenue stream options
- Replication is a primary goal