Where in space: Deployment Plan

**Introduction**

Where in space is a collective research endeavour aimed at collecting the patterns and movements of individuals within a workplace. Issues of office utilisation, circulation and interaction will be analysed and used as a pilot study to inform future workplace designs. The data is collected with Bluetooth Low Energy tracking tags as part of an indoor positioning system which are worn by a large sample of participants within a workplace. This document is to describe the deployment plan for the indoor positioning system research project within offices ARUP and BVN.

**Phase 0**

1. Data Base completed: capable of hosting 8000+ detections a day.
2. Plan of Base Station locations be finalised
3. A simulation/ visualisation demonstration of dummy data ready for presentation.
4. Conduct presentation outlining what it will mean to implement an indoor positioning system within the office, the benefits and the costs.

**Phase 1**

1. Ordering of Hockey Pucks x 100
2. Ordering of raspberry pi’s x 50
3. Placing Hockey pucks into casing with personalised item numbers
4. Placing raspberry pis into casing
5. Getting card readers ready
6. Initial test to make sure broadcasts are being received.

**Phase 2**

1. Cabling and necessary wiring around workplaces
2. Issuing out hockey pucks to people, taking their details and assigning a uuid number to each individuals to approximately 30 people
3. Run a work shop or morning tea with a presentation about what we will be doing and why to get people on board. If people have questions answer all of them.

**Phase 3:**

1. Trialling the system for one day.
2. Make any changes and check approximate veracity by random video review and comparison with detections.
3. Write a report outlining the initial test what issues were uncovered and how we fixed the problem.

**Phase 4:**

1. Full office deployment
2. 1 Month of data collection.

**Phase 5:**

1. Data analysis and conclusions
2. Project