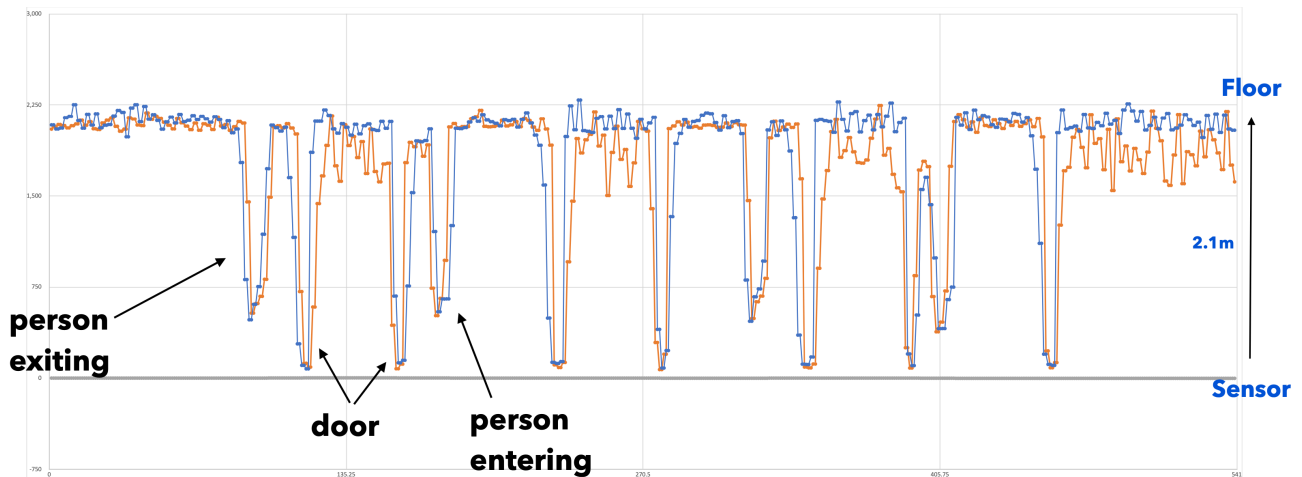


UoN paragraph

Flow technologies is a Nottingham-based startup that is developing products to measure footfall and occupancy in real-time. The resulting data is used by business owners to manage footfall in their premises. It will also be used to let consumers know when their favourite places are quiet, e.g. the gym, barbers, etc. via a consumer app.

Footfall data is collected via a Flow Sensor which counts people in/out, recognising directional movement. Below is an example of some raw data collected from the Flow Sensor (distance + zone).



We are looking to complete two projects:

Project 1

Using machine learning to improve the sensor counting algorithm by recognising a "person" and a "door", using this to successfully count people and cancel out any door swings that move past the sensor.

Project 2

Using historical occupancy data, and other information (such as weather) to identify trends and thereby accurately predict footfall levels ahead of time.

Flow Technologies has installed dozens of sensors at the University of Nottingham and both of these projects will utilise the real-world data provided by these sensors. The outputs from these projects will create a meaningful impact in a growing startup.