



# University of Salford: Monitoring Project

You have recently heard that Stockport Homes is hoping to make improvements to your home. With your permission, University of Salford would like to test these improvements by monitoring the temperature and humidity inside your home using small sensors.

## ***What do you want to measure?***

We would like to measure the air temperature and air humidity in your living room, hallway and a bedroom. We would also like to measure the amount of electricity used.

## ***How will you measure this?***

We will use small, battery powered sensors. An example is shown to the right. The battery is shown for scale.



## ***Do the sensors record sound or images or anything else?***

No, we respect your privacy. The sensors are unable to record sounds or images, and such data would be useless to us anyway.

## ***When do you want to start? How long is this project?***

We would like to start measuring as soon as possible. We would like to measure until Autumn 2021, but you can leave the project at any time.

## ***But Stockport Homes hasn't made any improvements yet?***

We would like to start the measurements before the improvements are made. We can compare the measurements before and after, to see how the improvements have affected you.

More information, including your individual rights, can be found at [www.stockporthomes.org/privacy-policy](http://www.stockporthomes.org/privacy-policy)





***Will this project affect the improvements my home receives?***

Not at all! If you want them, you will receive the planned improvements. Participating in this project or not participating will not affect this in any way.

**More information regarding the sensors:**

***What will be put into my home?***

The sensor system has three parts –

- **Air temperature and humidity sensors**  
These are the small sensors in the picture above.  
We would like to put one in the living room, one in the hallway, one in a bedroom.
- **Electricity sensor**  
This is slightly larger than the temperature sensors. It will be placed next to your electric meter.
- **Base-station**  
The sensors send their readings to the base-station, and the base-station sends the readings to the University of Salford. We would like to connect the base-station to your internet router, if you have one.

***Where will the sensors be placed?***

The temperature sensors need to be exposed to the air, away from radiators and direct sunlight. We will work with you to agree the best position.

***How will the sensors be attached?***

We will use “3M Command-strip Poster Tabs” to attach the sensors to the wall. These are designed to be removed from the wall without causing any damage or leaving a mark.

***How much electricity will the base-station use?***

Very little, about the same as a couple of large batteries in a year.

***How much data will the base-station use?***

Very little data. Each sensor reading is a single line of text, so each day the base station will use less data than a small image file.

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***What other data will you collect?***

We would like to ask you some quick questions about how you use your home and how comfortable your home is.

***Can I have my data?***

Yes. If you ask us, we can give you all the data we hold, at the end of the monitoring period.

***How will you protect my privacy?***

The data cannot be used to identify you in any way. The data is stored on a secure server at the University of Salford, but even if an unauthorised person saw the data they could not use it to identify the participants.

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