# Status Report 4/4

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### Current Status

We have the scaffolding and design for our project, and planned methods. The simulation model will be developed during this week. The model will consist of a mock building, and a system of sensor devices working in a communication network to detect signs of fire (carbon monoxide levels, smoke, temperature) within rooms, and handle the situation accordingly. The main point of measure is the system’s speed, and ability to isolate an emergency by communicating data about the incident to a data center, while also executing automated emergency action.

### Changes of Topic, Methods, Project Plan, or Directions

‘Emergency detection systems’ has been our running topic, but as a ‘smart’ fixture we needed to develop something novel to run tests against. We have decided to model how a smart fire detection system might work in a future residential or office setting.

The sensors in our smart system will coordinate to detect and isolate the location and severity of a fire.

### Accomplishment of objectives from Previous Meetings

* Methods solidified – we know our objective, and what we’re measuring.
* Integrated ‘smartness’ into thesis.

### To Do by the next week

* Develop simulation model – with practical and significant results from different sets of defined parameters.

### Risk analysis

* Scale of project when applied to a simulation framework could be too large for our week time-frame – could push back into week after.

### Time Frame Control

==>timeframe.ods

### Related Documentations

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