

Smart City Programme

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For DSSC 28th January 2022

Agenda

- Climate Action Strategy – Cool Streets and Greening (Outside)
- Corporation Premises (Inside)
- Intelligent Edge Technology and Data Strategy
- QA & Feedback

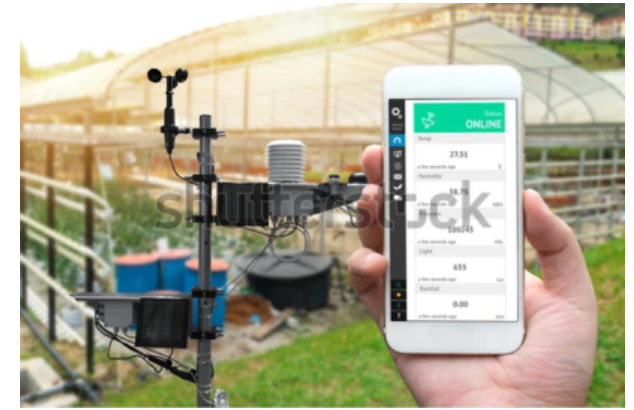
Climate Action Strategy – Cool Streets and Greening (Outside)

- The City of London Corporation's Climate Action Strategy – **Cool Streets and Greening** programme aims to pilot a range of measures aimed at maintaining the Square Mile's resilience to climate change impacts.
- The objective is to install an **IOT sensor network** that will monitor trends over the next 20 years across the City to identify whether interventions, such as sustainable drainage systems (SuDS) and urban greening, are helping to avoid disruptive temperatures and flooding of the City's streets.



Climate Action Strategy – Cool Streets and Greening (Outside)

- **Proof of Concept** schedule of works x2
 - **Gully sensor** specification written and sent to multiple suppliers.
 - **Temperature, humidity and soil moisture** sensor specification sent to Urban Controls who also manage the WI-SUN street lighting mesh IOT network.



Activity	Timescale
Award of contract	January 2022
Task 1 Choose sensors	January 2022
Task 2 Identify locations	January 2022
Task 3 Supply and installation	Feb / March 2022
Task 4 Software development and reporting	Feb/ March 2022

Corporation Premises (Inside)

- The objective is to enhance monitoring of the internal environment at Corporation premises.
- Focus is initially on temp/humidity and air quality, with onward intention to better measure consumption (e.g. energy) and thoroughfare (e.g. space utilisation).

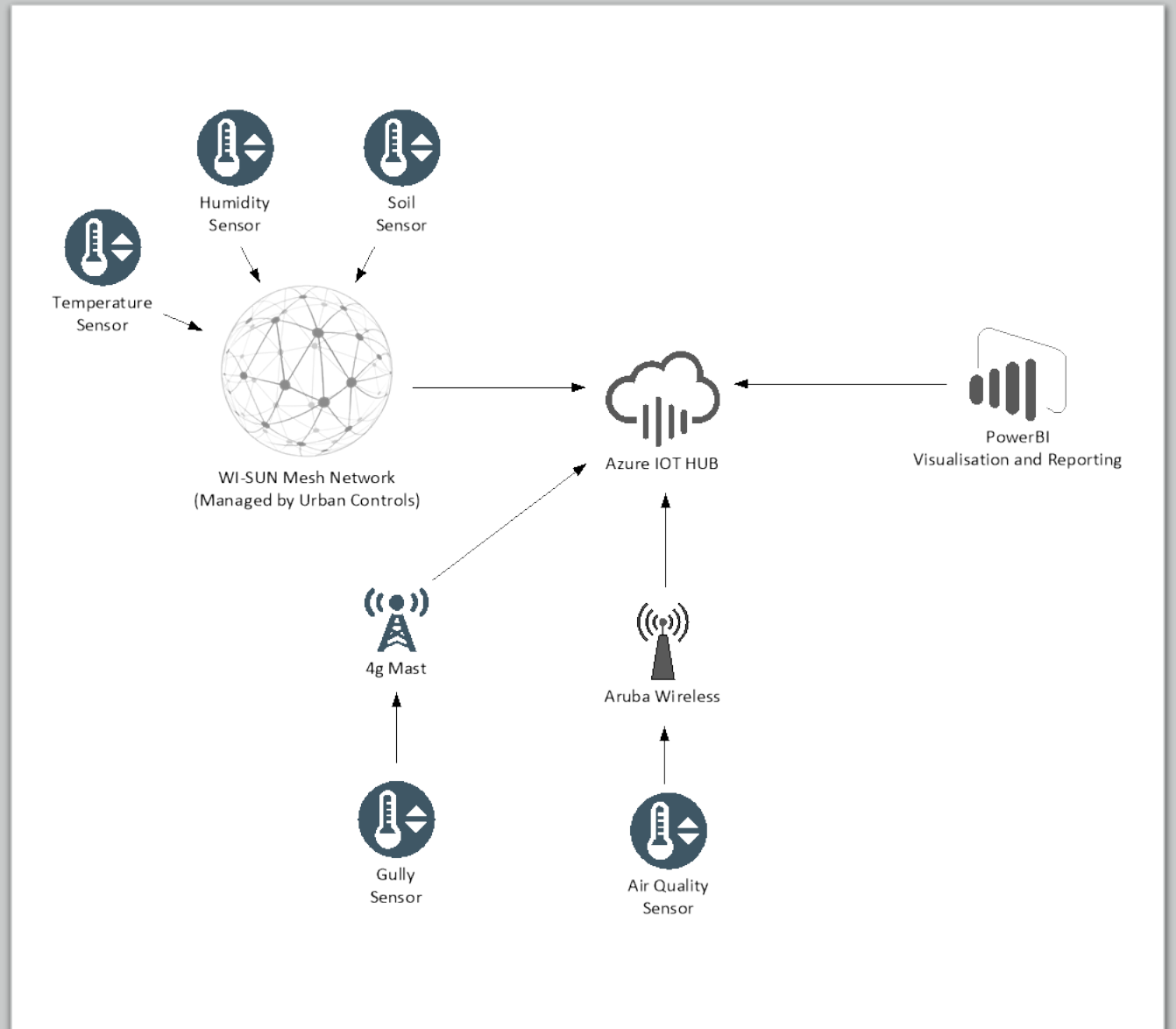


Corporation Premises (Inside)

- Technical investigation underway. Business case being drafted. Aiming to start with a small contingent of air quality sensors as a POC.
- Aiming to connect IOT devices to Aruba Wireless Access Points. To maximise re-use and reduce unnecessary additional infrastructure.



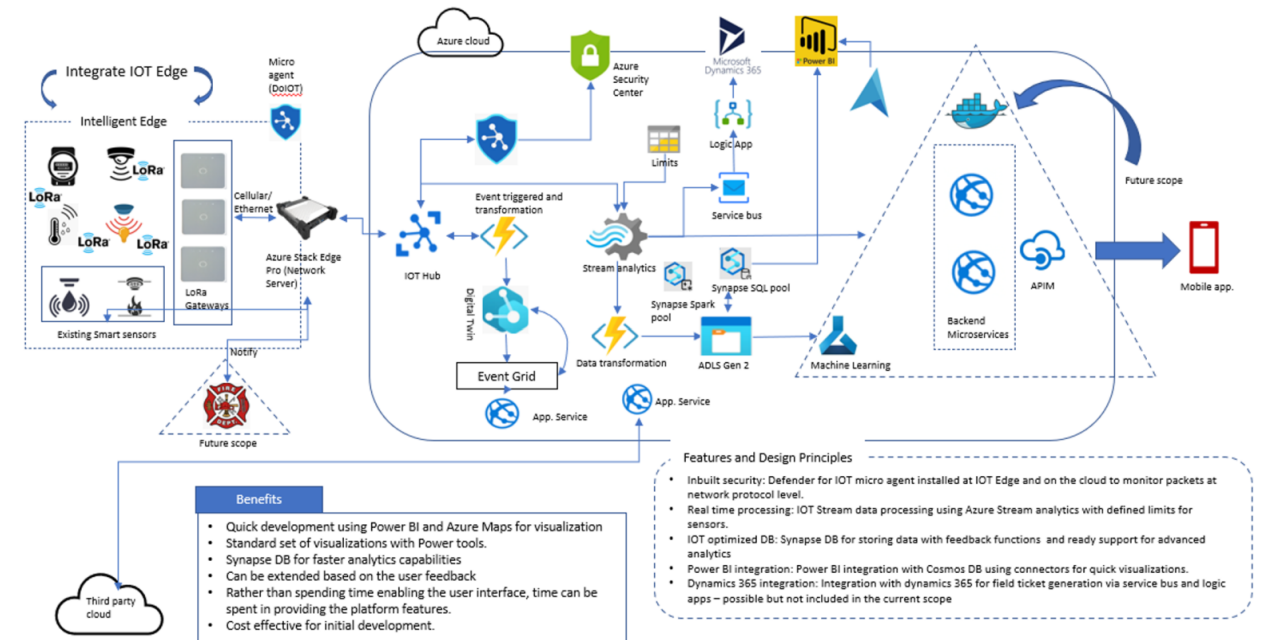
Intelligent Edge Technology and Data Strategy (Phase One)



Intelligent Edge Technology and Data Strategy (Phase Two)

- Wider sensor deployment (variety and volume)*
- Mapping / Digital twin*
- Automated decision making*
- Integration with City Data Platform (Theo Blackwell)*
 - Data Sharing Publicly
 - Data Sharing Lake
 - Data Sharing Library

(*Subject to onward assessment and approval).



QA and Feedback

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