

2017

Documenting of the experiment AiQu

OBJECTIVE: The objective of the experiment was to investigate how the sensors and, in particular, the service can be used and improved.

EXECUTION: The experiment was carried out in cooperation with a primary school in Helsinki. Four air quality sensors measured the indoor air quality in classrooms. Based on the data obtained, the indoor air quality was evaluated and the school took the necessary steps to improve air quality immediately. Vaisala air quality measurement equipment was also used. This way, we were able to verify the accuracy of the data generated by our own sensors.

COOPERATION: The air quality measurement experiment was conducted in a primary school in Helsinki. Vaisala provided instruments for the team. AiQu agreed on cooperation with another Try Out team and is negotiating on potential cooperation with two other teams.

VARIABLES: The functionality of the sensors and the service were investigated in the experiment.

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EXPECTATIONS: The expectation was that there were indoor air problems in the school. AiQu measurement confirmed that this was indeed the case, and the school immediately launched remedial measures.

END RESULTS: The experiment was a success. The service was tested and found to be functional. Mentors helped to develop the solution further. During the experiment, the team replaced the sensor technology with a better one.

CONCLUSIONS: The service works well. AiQu verified the accuracy of its data by comparing it with the data produced by another manufacturer's air quality measurement equipment, so the results were reliable.

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