

Augmented Workplace: **Human-Sensor Interaction** for Improving the Work Environment



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Background: Work environment affect the productivity

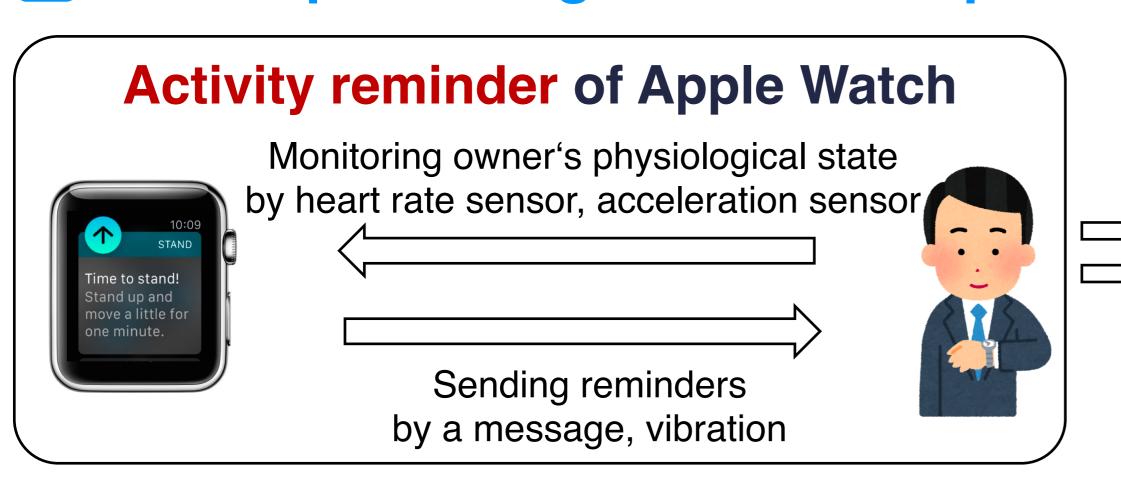


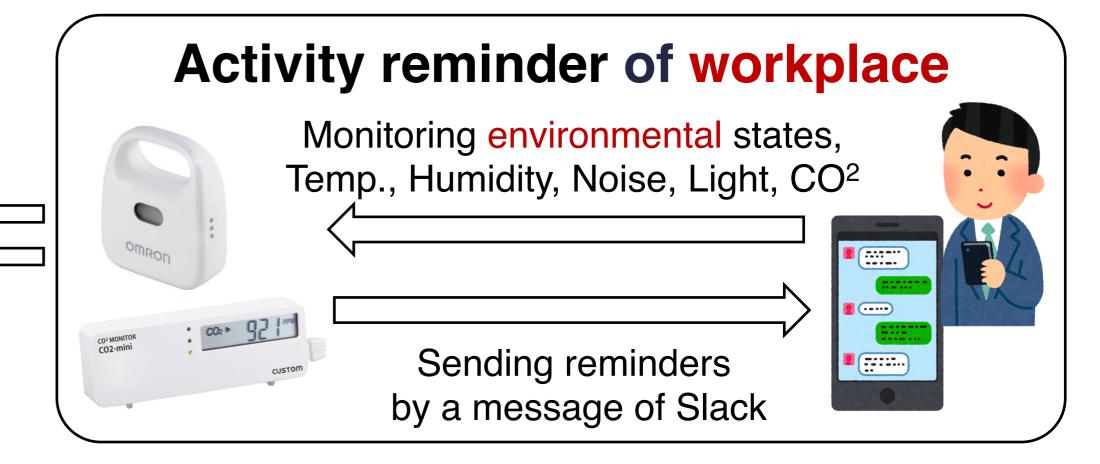


Air quality and Noise are important in the workplace

- High CO2 level make workers sleepy
- A comfortable temperature is different by person.
- Loud conversation in the open space prevents the concentration.

Concept of "Augmented Workplace"

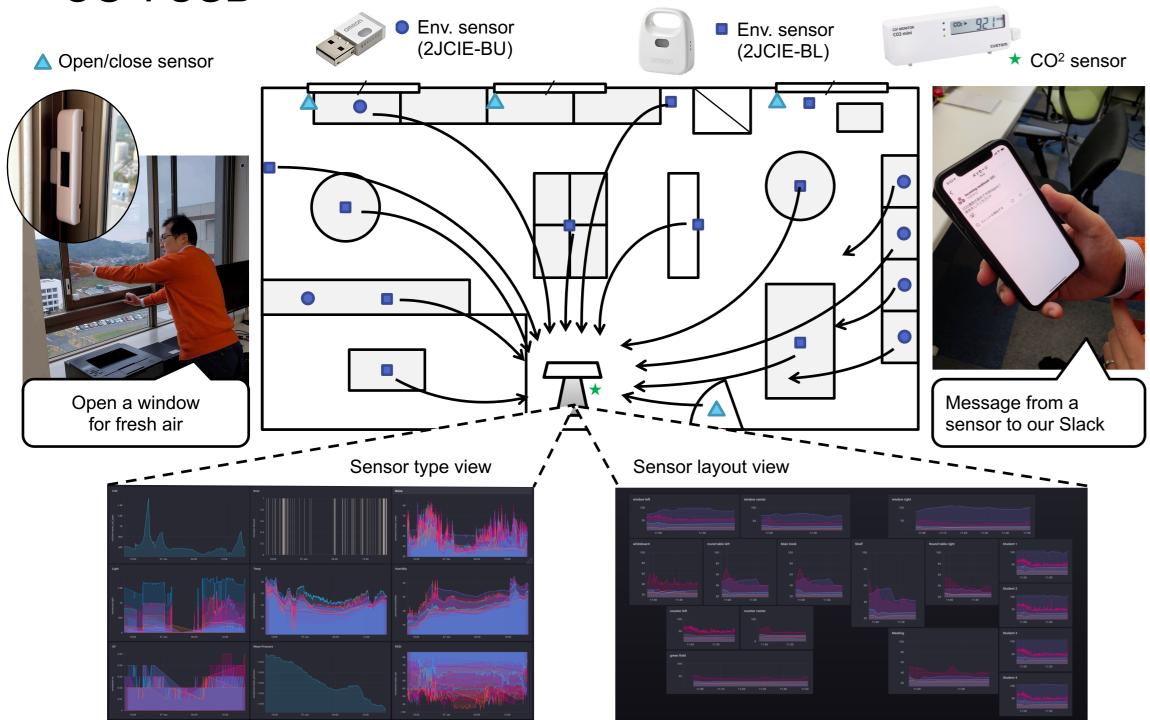




Implementation

Integrating 20 sensors with different network protocol

- Door Open/Close sensor: EnOcean
- Temp., Humidity, Noise, Light: BLE (Bluetooth Low Energy)
- •CO²: USB



Docker & InfluxDB are used for our platform

Assumed scenario: CO²

