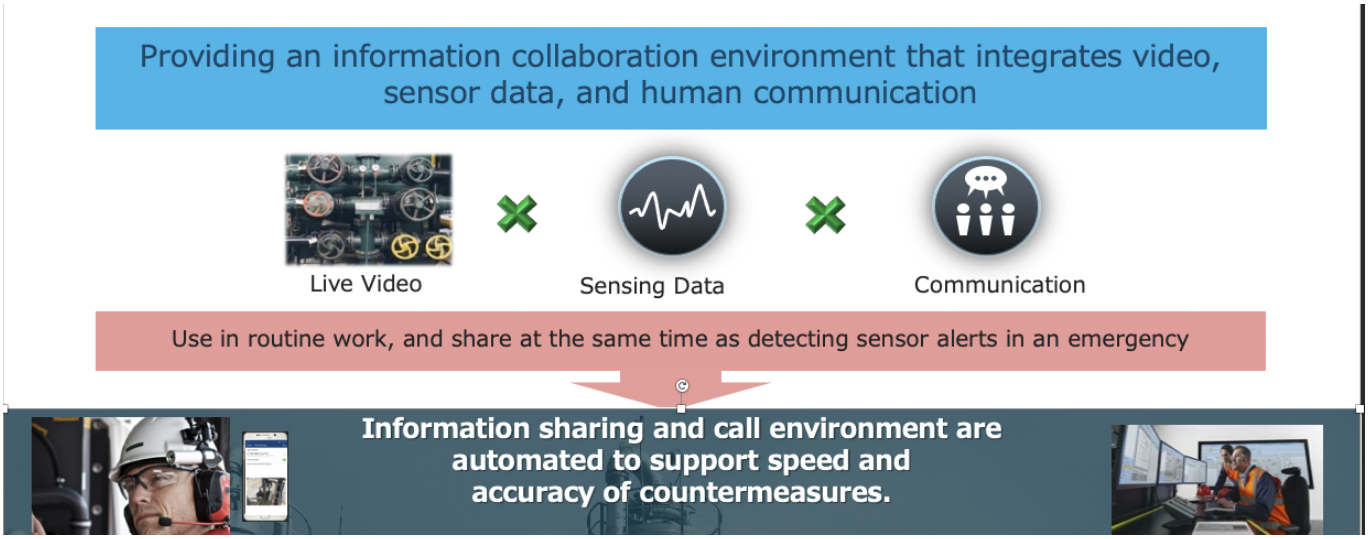
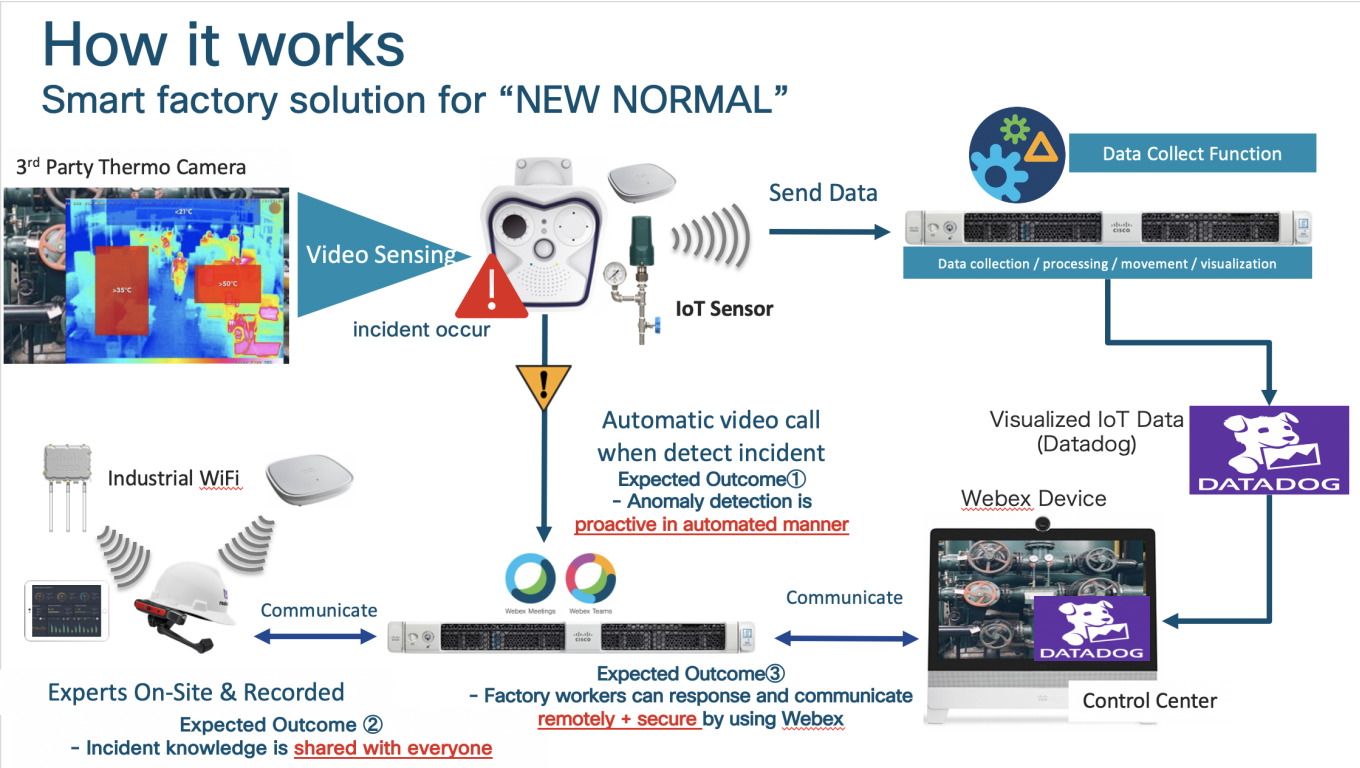
Smart factory solution for “NEW NORMAL”

The value of this solution is to provide flexible integrated functionality for variety of end devices, IoT sensor alert, camera etc. with industrial worker’s communication.



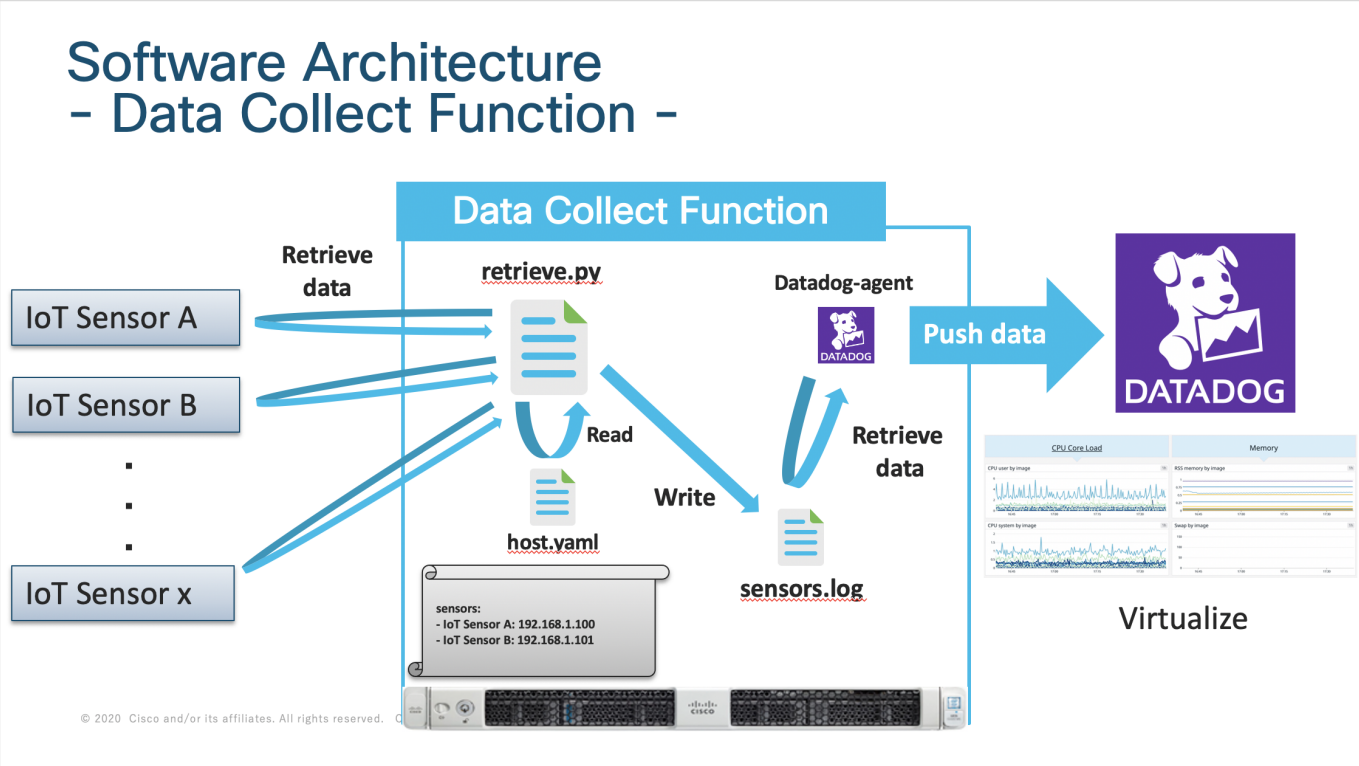
How it works

How our solution works. The 3rd Party Thermo Camera detect the incident and run the automatic video call to Webex. In Control Center, there have Webex Devices, so they can see the site situation remotely, and also call is broadcast to On-site factory worker which use wearable device to go to the incident place to fix the problem. Webex Call to the Video Device and the Control Center and the worker recognize the incident situation by video and share the data which is collected IoT Sensor, to identify the incident The Data Collect Function, which is explained in the below, periodically retrieve data from IoT Sensor and push data to Datadog, the integrated data platform.



Data Collect Function

This is the software part we made. This "Data Collect Function", periodically retrieve data from IoT Sensor and write data to log file and datadog-agent retrieve data from this log file and push data to Datadog, the integrated data platform (Datadog) to Visualize.



Getting Start

Requirement

- python: 3.8.5
- python library
  - requests
  - pyyaml

Configuration

If you want to add the sensors you want to monitor, add them to hosts.yaml.

```
sensors:
- <sensor name>: <ip address>
```

Usage

```
git clone https://github.com/yukamoja/team-so-good
cd team-so-good
python retrieve.py
```

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