

2020.11.06 Predictive Maintenance (with a Thermal Imaging Camera, vibration sensors, etc.) Meeting Minutes

Time

10am, Friday, Pacific

Attendees

- [Aaron Williams](#)
- [Tina Tsou](#)
- [V S](#)
- Ashwin Gopalakrishnan
- Jason Shepherd
- Daniel Lazaro
- Erik Nordmark
- [Jeff Brower](#)
- [Lincoln Lavoie](#)
- [Marc Meunier](#)

Agenda

- Fledge use-case discussions
- Lab equipment
- Security of the image stream
- Simulator

Minutes

Discussed use cases - decided to point the camera to some mechanical equipment in the lab

Assess monitoring

Process monitoring

Covid monitoring

Our idea - manageable at scale.

Building management systems

Secure applications

Abstraction

Software defined infrastructure

Temperature check.

Discussed that should work in 2 modes:

- 1) Simulation mode (for general public)
- 2) Real equipment mode (for somebody who is connected to the Akraino Lab)

New Hampshire Lab present

Aaron (bonus task) - ask other members of Akraino about use cases

for Ashwin we need to fill up:

- Real use cases - so a user can identify their problem with the use case
- Setup after the container on EVE is running
- Setup with the real hardware

We need a Dockerfile and define how to create the container from the scratch and deploy from local

FLiR infrared camera FLedge

Push new app extend an app.

Have another developer to join.

Covid. = face track + temperature

Agreed to point FLiR camera to the pumps

We need to make 1) data available

2) Live demo

Historical data