

Asset Performance Monitoring:

Monitoring Commercial Washers and Dryers



The Problem

A service provider who installs and operates commercial washer and dryer machines in shared living facilities wanted to reduce downtime and monitor misuse across their install base.

The service provider wanted a monitoring system that could be added to existing machines in the field and new installations. The monitoring solution must ingest data from sensors attached to the machine, apply rules, send notifications and reports.

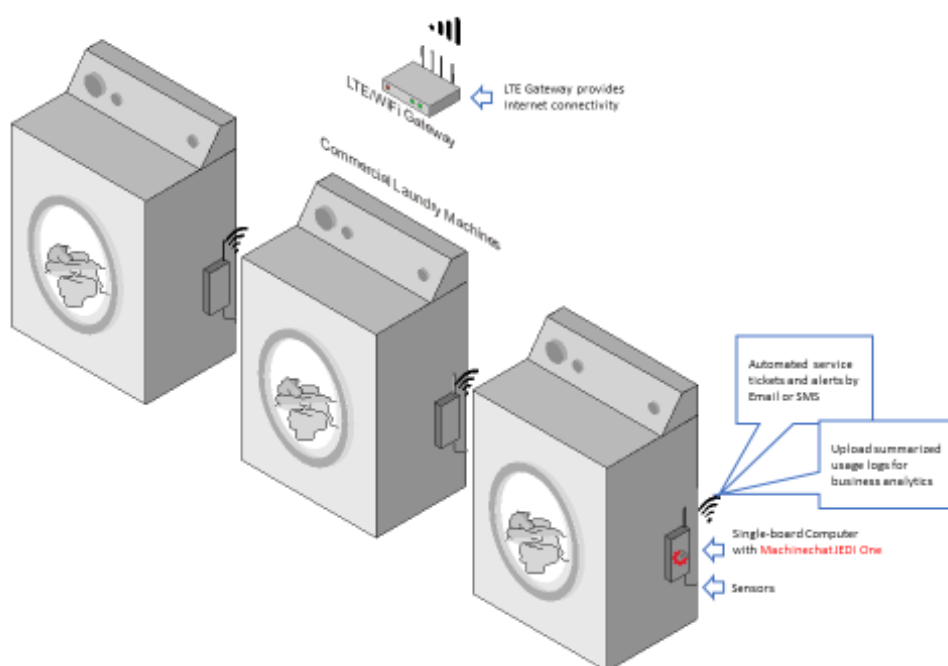
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The Solution

The provider used a commercial-grade Raspberry Pi with Machinechat's JEDI One software. Using JEDI One's integrated data collectors and custom plug-ins support, the service provider was able to ingest data from a motor current sensor, motor temperature sensor, serial port for diagnostic data from the main board as well as a few other sensors. The integrated rules engine enabled the creations of different rules and notifications.

Using a custom action plug-in the service provider was able to send select data to their cloud-hosted back office application. JEDI One allowed the service provider to easily gather real time operational metrics and error notifications from their deployed fleet.



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The Benefits

- Timely notifications reduced downtime, enabled proactive maintenance and prevented lost revenue
- Saved per-machine solution cost because JEDI One runs on low powered single board computers such as Raspberry Pi, BeagleBone and more.
- Saved hundreds of thousands in development dollars and DevOps costs by using JEDI One, an all-in-one edge IoT Data management software
- Eliminated the need for connecting all machines directly to the Internet, ensuring security from Internet threats
- JEDI One's integrated rules engine and dashboards provide an easy-to-configure and use, all-in-one application for system integrators and OEMs without the need to develop custom software or deal with complex cloud platform integrations

JEDI One: Ready-to-Use Edge IoT Software

Machinechat's JEDI One is a ready-to-use IoT software solution that allows system integrators and developers to easily configure and deploy data collection, visualization, monitoring and smart storage capabilities to their IoT projects in minutes. Developed as a cloud-ready on-prem single-binary solution, your customers have complete control over their device data - with no libraries to maintain and no cloud computing costs.

Whether your project involves a network of similar or heterogeneous devices, JEDI One makes it simple and easy for your team to make sure the right data goes to the right application at the right time. Learn more at www.machinechat.io