IoT Genset Remote Monitoring for Operational Continuity

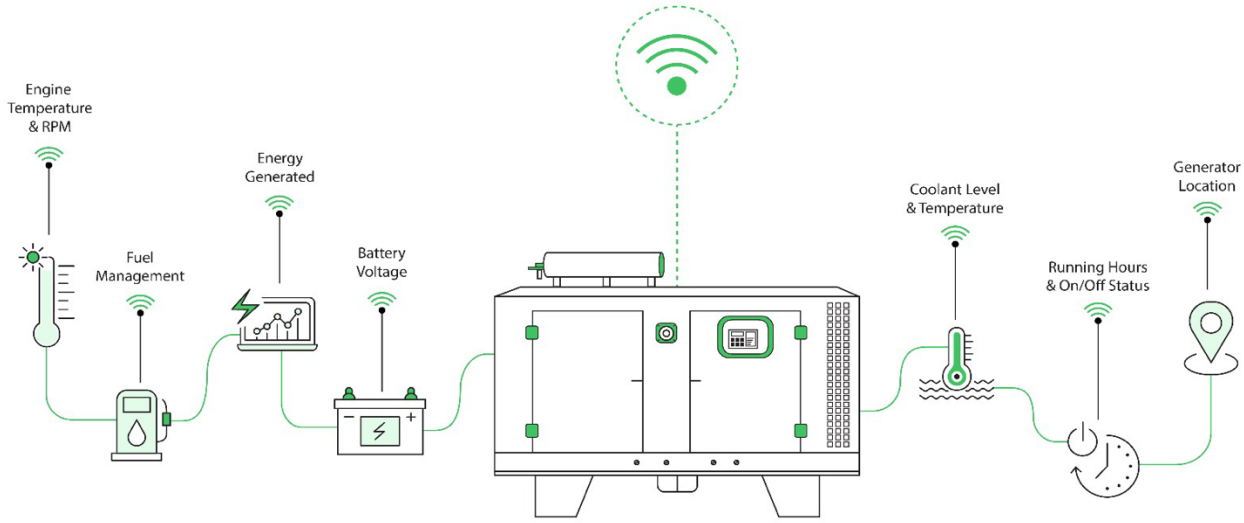
Client: Puerto Rico Aqueduct & Sewer Authority (PRASA) / Responsible for country-wide water treatment & supply.

Current Situation:

- PRASA owns water production & distribution facilities throughout the Island of Puerto Rico all with backup power producing generators.
- It is difficult for PRASA to view, aggregate and provide data about the status and operation of its gensets to FEMA and other relevant third parties / stakeholders.

The Solution:

- PRASA has implemented the use of IoT driven solutions to help with operational visibility / site monitoring. The Use of these IoT solutions will allow PRASA to have visibility of sites / locations where it was previously impossible or extremely difficult to remotely monitor and aggregate data.
- In addition to significant cost savings, operational continuity can now be guaranteed.



Conclusion: Through the implementation of a generator monitoring system, PRASA has effectively addressed the challenge of maintaining an uninterrupted water supply. The real-time monitoring, automated alerts, and remote-control capabilities have fortified critical water facilities against power outages and unforeseen events. This case study underscores the indispensable role of generator monitoring in empowering public utilities to fulfill their obligations and deliver essential services, regardless of adverse circumstances.