Generator Uptime Monitoring
Increase reliability with the easy to use and program
TELSEC® ESB2 & MP2 Monitoring and Control Systems
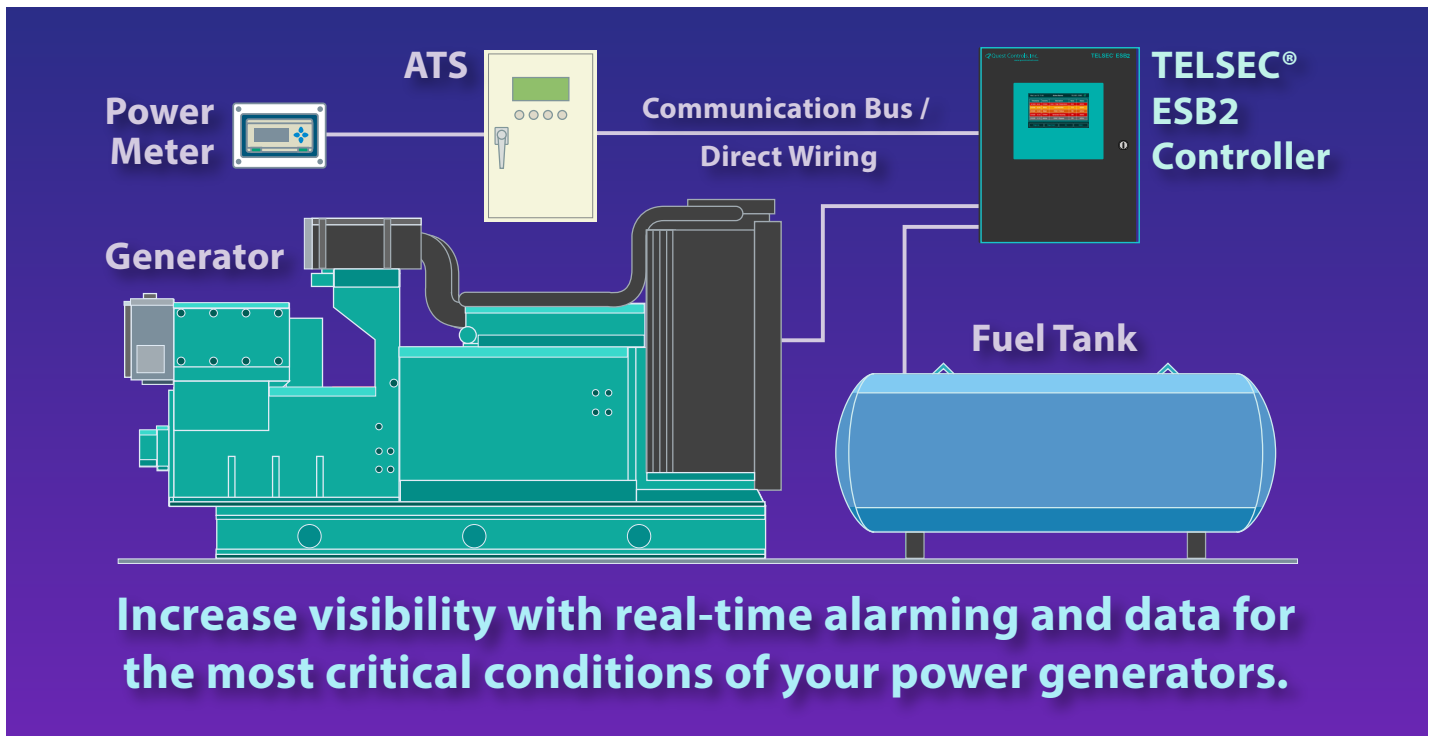
Challenge

As Data Centers continue to increase computational load with continuously shrinking onsite staff, the ability to focus on cooling dynamics and optimizing performance becomes progressively more problematic. This, coupled with needing to understand equipment performance and availability 24/7 results in overburdened staff and consequently outages and missed opportunities.

Applications

- Data Centers
- Hospitals
- Telecom/Broadband facilities
- Healthcare facilities including laboratory settings
- Remote Hub monitoring
- Military Bases
- Water Treatment facilities
- And more

Benefits

- Increase visibility with real-time alarms/data for the most critical conditions of your power generators.
- Increase reliability by monitoring test and exercise periods.
- Early detection of potential problems to prevent costly/extensive repairs or failure during power outage
- Monitor fuel level and consumption.
- Manage fuel deliveries during crisis (multiple outages simultaneously).
- Increase fuel security (from theft & vandalism).
- Improve generator performance by tracking fuel consumption, power factor, and engine hours

- Eliminate unnecessary truck rolls
- Efficiently allocate human resources for fueling and maintenance thereby saving money.
- Capital/Capacity Planning
- Efficient remote generator scheduled testing.
- Automatic monitor of key generator performance metrics
- Manage large fleet of generators in a single platform
- Intelligent remote monitoring extends life of generator

Increase visibility with real-time alarming and data for the most critical conditions of your power generators.

TELSEC® MP2

TELSEC® ESB2

TELSEC® ESB2 with Color
LCD Touch Screen

Solution

TELSEC® ESB2 and MP2

The TELSEC ESB2 and MP2 are remote surveillance products that provide intelligent monitoring and control solutions for mission critical facilities. Through SNMP, Modbus, or dry contact closures, both the ESB2 and MP2 can monitor and control generators as well as provide real-time remote access to generator data.

Features/Highlights

- State of the art easy to use web-based programming, saving client unforeseen expenses
- Remotely set conditional exercise cycles
- Monitor Generator Runtime while automatically saving historical data
- Remote Generator Start Control
- Immediate alerts/alarms to team's phone and/or email
- Communicate with Smart Generators
- Monitor Generator Fuel Tank Level
- Identify Generator Fuel Tank Rupture
- Redundant A & B power feed to the monitoring system for continuous monitoring
- Supports secure encrypted communications such as HTTP, RADIUS, SNMPv3, & SSH
- Enables interrogation of remote site from any alarm or maintenance center
- System configured through user-friendly web browser
- Multiprotocol support
- Detailed alarm notifications and expansive historical alarm log
- Non-volatile FLASH memory prevents program loss and stores program upgrades

With OspreyFMS®

- History and trend analysis
- Monitor gen run (see gen run kick on), confirm weekly tests, unplanned generator run alarm occurs, gives you plenty of time to initiate corrective action
- Data collected sent to BMS or enterprise software
- Use collected data to add an analytic capacity to prevent maintenance programs
- Improve maintenance efforts
- With limited battery plant capacity, you never want your fuel tanks to unexpectedly run dry
- Pick up alarm or status signals changes
- Critical info delivered to
- Review run-time and maintenance history
- Identify fuel theft by comparing fuel consumption with actual power generation and fuel receipts.
- Optimize maintenance schedules
- Track and access crucial info anytime anywhere
- Cut operational costs
- Identify potential problems before extensive repairs are required or power failure
- Minimizes operational expenditure and maximizes ROI
- Monitor key generator performance metrics
- Allows you to be proactive vs reactive

Quest Controls
Intelligent Solutions. Controlled.