OMNICOMM.
FUELLING YOUR BUSINESS

OMNICOMM Solution
for Remote Management of Diesel Generators
THE COST OF POWER OUTAGES

USA
5-10%
increase in time without electricity during outages

Pakistan
33.8%
loss in sales value

South Africa
in 2015 hospital CEO charged over the death of patient on life support when a generator ran out of fuel

2017 power cut – 1,400 flights cancelled, $25-50 million income loss for just one affected airline.
ACCURATE GENSET MONITORING IS CRUCIAL IN MANY SCENARIOS, INCLUDING
Remote mobile base stations often do not have a mains electricity connection and rely entirely on gensets to function. Gensets are also used as an emergency solution for power outages.
DATA CENTERS

Data centers cannot afford to stop, as outages would cause chaos across online systems worldwide. They are usually surrounded by farms of gensets to mitigate the risks of power outages.
BANK BRANCHES

Banks cannot close their doors when there is no electricity, as many customers access banking services in bank branches.
Keeping power flowing to the pumps is critical for fuel stations. Without electricity, pumping fuel for customers is impossible.
Gensets are sometimes used as single source of power supply, especially when construction is taking place in a far-flung location.
Power outages stop assembly lines in their tracks, which leads directly to loss of revenue.
Emergency gensets power medical equipment during power outages and are also used to power field hospitals.
WHAT WE OFFER

OMNICOMM SOLUTION FOR REMOTE GENSET CONTROL

OMNICOMM fuel-level sensor
OMNICOMM Optim GSM terminal
OMNICOMM Online platform with dedicated genset reporting

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OMNICOMM FUEL-LEVEL SENSOR

- 99.5% accuracy thanks to automatic adaptation to fuel changes
- IP69k ingress protection rating for unprecedented reliability
- Stable performance in the most extreme conditions
OMNICOMM OPTIM TRACKER

• Collects data about genset performance and fuel level in tank(s)

• Sends it to the OMNICOMM Online for processing

• Can turn on / off the generator (SMS commands or programmable events)

• Fully tested for resistance to extreme temperatures, humidity, dust and vibrations
OMNICOMM ONLINE PLATFORM

- Cloud-based platform
- Dedicated reporting for genset monitoring
- Historical and real-time information about genset performance, including on mobile
POWERFUL BENEFITS

- Remotely turn generators on/off
- Monitor fuel volumes for delivery planning
- Access real-time performance data to schedule replacements
- Analyze the load to pinpoint low-performing generators
- Detect fuel wastage or theft
- Ensure no “dry panes” with low fuel level notifications
- Fix minor issues before an emergency happens (predictive maintenance)
- Streamline maintenance planning with notifications
MONITOR ANY PARAMETER

ALMOST ANY PARAMETER CAN BE MONITORED WITH OMNICOMM SOLUTION

- Line-to-Line AC RMS Voltage
- Line-to-Neutral AC RMS Voltage
- AC RMS Current
- AC Frequency
- RPM
- Oil pressure
- Engine hours
- Fuel levels
- Coolant temperature
- Battery voltage*

* Compatible with Cat® EMCP GENERATOR SET CONTROLLER. For precise list of controlled parameters for different models please contact your regional manager.
THE OMNICOMM EDGE

- **Integration** with existing infrastructure
- **Accurate remote** genset monitoring & control
- **Available anytime, anywhere** including iOS & Android apps
- **Industry most accurate** fuel-level sensors
- **Product training, certification, and lifetime** support
- **Already saving millions of USD annually** for our customers
OFFER FOR GENSET MANUFACTURERS

Genset manufacturers can install OMNICOMM equipment in generators directly from the assembly line to offer customers added value and convenience.
REFERENCE CASE

PARTNER

Galooli Group, leading innovator of smart end-to-end solutions for remote asset performance management

PROJECT

Omnicomm fuel-level sensors were installed on over 2,000 diesel generators powering remote mobile base stations in Uganda

RESULTS

- Fuel costs decreased by 30-40%
- Overall savings over $5 mln / year
REFERENCE CASE

PARTNER

GoFenz Automation Solutions, Indian provider of IoT-based asset monitoring platforms

PROJECT

Omnicomm fuel-level sensors were installed in Caterpillar 3412 DICTTA diesel generators, providing backup power for plant’s manufacturing lines

RESULTS

- Time required by genset operators for monitoring & maintenance reduced fourfold
- Over $300,000 saved per hour of downtime prevented
LET’S TALK!

OMNICOMM enables remote control of high-value commercial assets to transform your business.
Want to see how OMNICOMM can work for you?

SCHEDULE A DEMO WITH ONE OF OUR LOCAL PARTNERS TODAY.

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