



# OMNICOMM REMOTE MONITORING SOLUTIONS FOR GENSETS

Diesel generator sets (gensets) supply regular and emergency electrical power across many industries and situations, from factories to field hospitals. Interruptions to power can mean the difference between profit and loss, or even life and death. Increasingly, genset operators are using sophisticated remote solutions to monitor fuel usage, control generators in inaccessible locations and optimize performance.

OMNICOMM offers turnkey, best-in-class solutions for remote genset monitoring and management, consisting of the SaaS platform OMNICOMM Online, OMNICOMM Optim on-board terminal, and high-precision OMNICOMM LLS fuel-level sensors. OMNICOMM solutions ensure gensets are always ready to perform, avoiding loss of business or even loss of life due to power outages.



**01**  
**Omnicomm Online**



**02**  
**Omnicomm Optim on-board terminal**



**03**  
**Omnicomm LLS fuel-level sensor**

# POWERFUL BENEFITS

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## Remote control

Data is translated directly from the genset administration panel to the OMNICO MM Online interface, so genset operators do not need to physically go to the genset location to check it. Remote control enables operators to turn generators on/off without being present at the genset's physical location.

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## Mobile accessibility

OMNICO MM Online is available any time and anywhere genset operators have an internet connection, including on mobile apps for iOS and Android.

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## Durability

Highly reliable and durable on-board terminals are unaffected by difficult conditions such as vibration, fluctuations in temperature, humidity, etc. Fuel-level sensors work reliably in extreme temperatures and come with a five-year warranty.

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## Precision

High-precision fuel-level sensors measure fuel levels and provide fuel data with over 99.2% accuracy. Developed in-house by specialized R&D telemetry experts, our best-in-class data smoothing/filtration algorithm filters out 'noise' and delivers meaningful data. OMNICOMM Online provides the most advanced fuel analytics on the market.



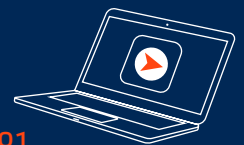
## Real-time monitoring

Monitor fuel volumes at all times to see when refilling is necessary and detect fuel wastage or theft. Access real-time data about genset performance, making it easier to schedule maintenance or replacements. Pinpoint low-performing generators that increase the load on others and ensure uninterrupted operations (no dry panes) with notifications when the fuel level dips below a specified threshold.



## Can be installed at manufacturing lines

Genset manufacturers can install OMNICOMM equipment in generators directly from the assembly line to offer customers added value and convenience. OMNICOMM partners get full product training, certification, and comprehensive lifetime support, with a dedicated technical manager for large scale projects.



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# SOLUTION COMPONENTS

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## **OMNICOMM Online:**

A cloud-based SaaS fuel and fleet management solution that includes dedicated reports for genset monitoring and allows access to historical and real-time information.



## **OMNICOMM Optim on-board terminal:**

Collects data from the genset administration panel and OMNICOMM's fuel-level sensors, then sends it to the OMNICOMM Online monitoring system for processing. OMNICOMM terminals are fully tested for resistance to extreme temperatures, humidity, dust and vibrations.



## **OMNICOMM LLS fuel-level sensor:**

The industry's most reliable high-precision capacitive fuel-level sensors, including explosion-proof option. OMNICOMM sensors have the highest possible ingress protection rating, enabling operation in the most extreme conditions. Sensors are installed in the genset fuel tank(s).

# MEASURE KEY PARAMETERS:

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- Fuel levels
- Coolant temperature
- Charging voltage
- Charging current of batteries
- Output frequency
- Phase-to-ground voltage
- Line voltage
- Generator current
- Active power
- Gross output
- Reactive power
- Power factor
- Engine hours
- Total power generation
- RPM (load)

**Want to see how OMNICOMM can work for you?  
SCHEDULE A DEMO WITH ONE OF OUR LOCAL PARTNERS TODAY.**

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