Power outages caused by unreliable grids or extreme weather can have a devastating effect on critical infrastructure and essential services. For businesses that rely on the continuity of power supply, investment in off-grid fuel generators is an essential part of any operational strategy. However, without monitoring, the dependability of off-grid fuel stores cannot be relied upon—which impacts the continuity of critical service delivery and operational efficiency, affecting financial performance, and potentially threatening the safety and security of customers and staff.

Too often, operational costs associated with fuel delivery and inaccurate manual fuel level monitoring place a heavy financial burden on companies. Traditionally, companies have relied on manual inspection and monitoring of fuel levels—the ‘dip check’ method, which is inefficient, manpower intensive and time consuming, and depending on frequency, could leave the company exposed to fuel shortage, vulnerable to theft and lacking power when it’s needed. However, thanks to technological improvements in machine-to-machine connectivity and cloud-based applications, companies can now look to reduce these costs while at the same time increase efficiencies.

Oilguard9000© provides a reliable and affordable fuel monitoring and management application in real-time, from any location, ensuring the continuity of power for mission critical services. It can be deployed anywhere and offers the scalability to manage any number of tanks within a customer’s network.

Oilguard9000©’s system relies on one probe inserted into the fuel tank which gathers data from up to fifteen different types of measurement. The operator then accesses the application through a secure cloud based web portal, accessible from any web browser. Once connected, the user can monitor fuel levels of any tank in real time, and through the feature rich reporting and alerts system, configure a wide range of notifications through email or SMS to one or many personnel—whether it’s a real-time alert for oil leakages, theft, water ingress, fuel

**Key benefits**

1. Enables continuity of fuel supply for mission critical services
2. Reduces time and costs associated with management and monitoring of fuel-based power supplies
3. Secure web-based reporting and controls so you can manage your network from anywhere
4. Low total cost of ownership—Oilguard9000© only needs one probe per tank
5. Configurable instant alerts so any fuel escapes, damage or theft are immediately flagged

**Oilguard9000©**

**Full-featured, real-time, remote monitoring and protection system for the fuel feeding your power generated assets**

Oilguard9000©, from Sentinel Fuel Products is a comprehensive continuous, real-time fuel management and protection system that lets you monitor your assets from anywhere. Oilguard9000© enables you to ensure the continuity of mission critical services dependent on fuel based power, whether as a primary power source or a back-up supply for outages or emergency situations.
deliveries or tank tampering; or historical reporting to enable a more efficient and cost-effective refuelling strategy. The reporting and alert suite mitigates the risk of disruption to essential services due to power outage and eliminates the need for manual monitoring, saving you time, money and resource.

The Inmarsat Advantage

To allow Oilguard9000 to deliver feature rich, real-time alerts, management and reporting, the tank sensors need to be connected to a communications service of some kind. Inmarsat’s global 3G satellite broadband services are ideally suited to provide this connectivity.

Although Oilguard9000 can operate over GSM and GPRS, cellular communications can be patchy, suffer from network congestion, or simply not be available in all areas where your assets are located. Coverage and reliability issues can be compounded by expensive cellular roaming charges or multiple cellular operators, making cellular connectivity a less than ideal choice to connect your power generation issues.

Inmarsat’s award-winning 3G satellite network is available worldwide, and offers 99.9% availability across its satellite and ground network, so wherever your assets are located, Inmarsat can provide consistent, reliable coverage and 100% visibility.

And with one global network, expensive roaming charges are eliminated, helping your business to manage operational costs.

Through its Certified Application Partner programme, Inmarsat has certified Oilguard9000 as Inmarsat-ready. If you’re looking to leverage the reliable, global reach of Inmarsat’s award-winning satellite network to provide comprehensive monitoring, management and reporting of your off-grid, fuel based power generation assets, Oilguard9000 is an ideal application. Oilguard9000 has been certified for use over the following Inmarsat services:

- BGAN M2M
- IsatData Pro

Features

- Patented technology, proprietary to Sentinel Fuel Products
- Single probe installation capable of up to 15 different tank measurements
- Works with both satellite and cellular technologies
- Web/Cloud based system with secure user login
- Comprehensive range of fuel data and management reports available along with in-depth client specific Alert matrix (email / SMS alert)

Advantages

- Meets all recognised quality standard including CSA, TUV, IP54, CE Mark, FCC, ISO, OFTEC, APEC, SABS, using external accreditation companies.
- Extremely scalable application — easily manages your entire fuel network, whether that’s one tank or one hundred.
- Intuitive cloud based web-based system can be deployed with no integration needed into existing IT systems
- Flexible reporting and alerts systems configurable for multiple business areas; finance, operations, technical etc.
- Comprehensively meets legal environmental monitoring standards associated with oil-based power supplies.

Usage scenarios

The Oilguard9000 system will deliver a verifiable return on investment across a range of applications including:

- Financial services and banking
- Healthcare
- Telecommunications
- Transportation
- Mining
- Utilities

Certified application

As part of our CAP (Certified Applications Provider) programme, Inmarsat works with a number of application providers with the intention of ensuring to that their applications are not only compatible with our network, but provide our network users with effective, customer-focused applications that offer genuine business benefits, whether they’re using the network for voice, broadband, machine to machine connectivity, or all three. Only individual applications approved by Inmarsat are endorsed with the Inmarsat Certified logo.

Disclaimer

Where an application provider’s application carries the Inmarsat Certified logo, it means that the application has been certified by Inmarsat to operate over Inmarsat’s satellite network. Certification does not mean that Inmarsat is certifying any system design or assumes any liability or responsibility in connection with the application provider’s application.

Find out more

Inmarsat offers its services through a range of partners around the world. Contact us for information to find out how our range of services and certified applications can add value to your business:

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