



DIESEL GENERATOR MONITORING

SAVE FUEL & COST



DG MONITORING

Our wireless Diesel Generator Monitoring and management system is the first DG monitoring system which converts your Genset into a SMART DG.

While running at full capacity, Diesel generators are three times more efficient as compared to running on their partial capacity. Moreover, it causes damage to the generator. This reduces the maintenance intervals and increases operational expenses.

Our DG management works on the principle of energy monitoring, auditing, and conservation. We help diesel generator manufacturing companies to optimize the output during non-optimal usage of the genset.

Xenius enabled real-time DG monitoring solution remotely monitors vital aspects of the generator such as fuel quantity, coolant level, voltage, current, temperature, and running load with real time updates & alerts. The data helps in increased efficiency, better diagnosis and can be viewed from anywhere and at any time through our user friendly web and mobile applications.

We make solutions for optimal generation scheduling for minimization of fuel consumption.

Few Highlights of our DG Monitoring System:

- Near real-time monitoring data for diesel generator
- Optimization of diesel usage during peaks in demand
- Smart management of devices ensuring best usage of DG capacity

About Radius Synergies International Private Limited

We believe in making lives better by 'Humanizing Machines' with a vision of smart living and connected world.

We have a dedicated team, with expertise, experience and attitude to deliver and fix any issue. One can be assured of unparalleled product and customer support. For fast and proactive resolution, we have 24x7 NOC Support. Our 250+ committed employees continuously monitor the health of local devices and back-end resources ensuring a flawless experience for our customers.

A dedicated facility for the prepaid metering system at Noida, Sector 63 combined with a 50+ strong in-house R&D team. Our commitment to service our customers with highly skilled technical support, high precision, and quality products set us apart from the rest.

We uphold the highest standards of integrity, and honor the promise of transparency to our customers. The products and services we offer are fully compliant with various industry standards and adhere to the guidelines set forth by competent authorities for an IoT/M2M Solution.



KEY FEATURES

Offerings from XENIUS for achieving DG Power maximum utilisation of existing Infrastructure.



OVERVIEW

Using its state of the art patent pending solutions and contemporary technologies like IoT/M2M, Radius Synergies International Pvt Ltd (RSIPL) has come up with Diesel Generator monitoring solution.

The solution involves integration between diesel generator's engine control unit (ECU) as a source of information and Xenius Gateway that captures the information on a pre-defined or configurable time interval.

The data captured in the field and processed at Xenia backend platform serves as a valuable repository for diesel manufacturers as well as other stake holders like service partners, dealers and end users.

The integration is two way and helps in automation, monitoring and control in near real time. All this results in an intelligent and IoT/M2M enabled product that can be monitored and managed from anywhere.

All detailed raw and processed data is available on Radius Cloud and can be used for health check monitoring as well as scheduling operation and managing the end products anytime, anywhere through internet resulting into business gains in terms of efficient management and reduced cost of ownership

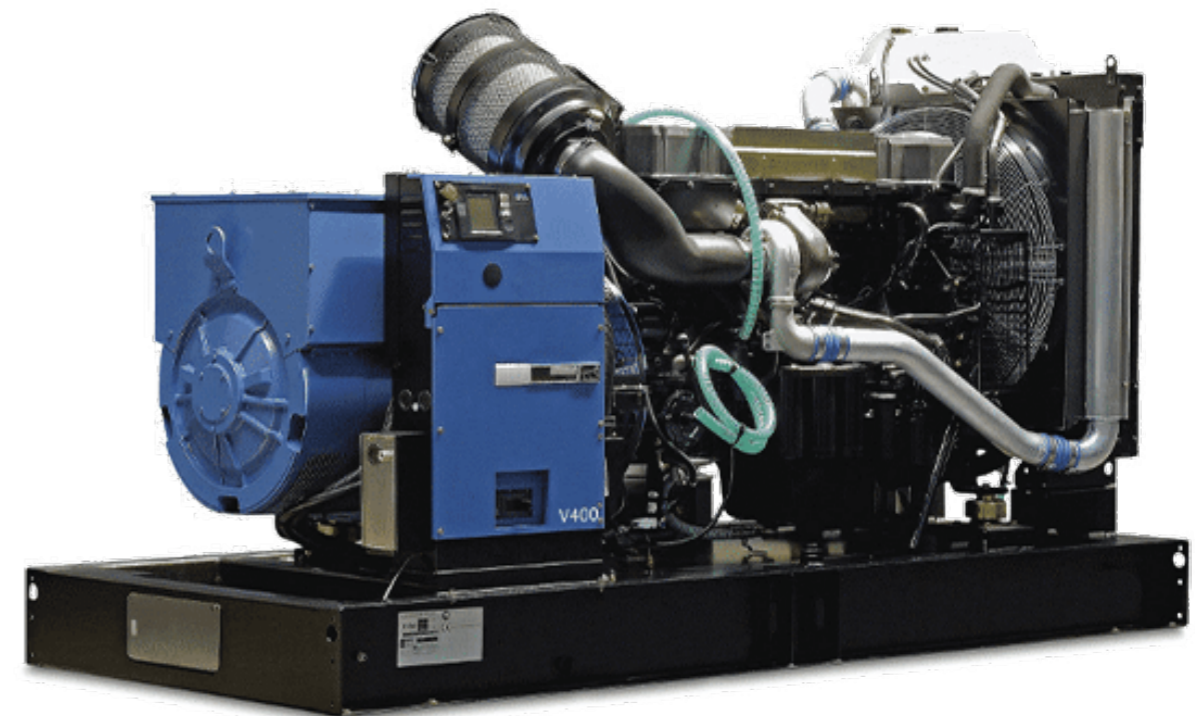
HOW IT WORKS

The Smart Diesel Generator Monitoring solution comprises of integration of Xenius Gateway with the communication port of the engine control unit for capturing of the required data from various sub-systems of the diesel generator and passing it on to the backend platform.

XENIUS Gateway: A specially configured gateway of appropriate form factor along with appropriate firmware becomes a part of the diesel generator and gets physically installed within the product by the DG manufacturer. A suitable communication mechanism (RS232, RS485) helps fetch data from the ECU of diesel generator on a pre-defined / configurable time frequency. Additional peripheral measurement devices can also be installed on the DG if required. The gateway has specially configured and provisioned APN SIM for communicating with the backend Xenia Cloud

Xenia Cloud: Once the Diesel Generator is installed and powered up in the field, the Xenius Gateway becomes operational and does the required communication through GPRS with Xenia Cloud. All near real-time data is received by the Xenia Cloud for further processing and persistence to make it usable for different stake-holders interest and appropriate utilization. Any configuration or control commands can be pushed from Xenia Cloud to the end device without physically going to the field

Human Machine Interface: These are in the form of internet web interface or mobile applications. Usually, for B2B clients, web interface is available and for B2C, mobile apps are used. The HMI facilitates near real time access, reports, analytics, alerts and notifications to respective user community.



CLIENTS

