



Generator Management and Load Shedding: Galooli's Comprehensive Solution

In recent years, South Africa has faced an ongoing electricity supply crisis, leading to the implementation of controlled load shedding, as a method of equitably distributing available electricity to all customers of Eskom, South Africa's utility company.

Load shedding harms consumers in numerous ways:

Business and Industry
Disruptions

Productivity
Loss

Electrical
Equipment Damage

An Increased Risk
of Crime

The Ultimate Solution: Novasolis GENSIGHT Powered by Galooli

Load Shedding Schedule Integration: Access the load shedding schedule by integrating with EskomSepush API, providing a clear view of upcoming outages.

Automated Generator Control: Implement a remote mechanism to start the generator a few minutes before an expected outage, thereby preventing downtime and unnecessary site visits.

Dashboards and Reports: Display anticipated outages for each site, generator fuel levels, and highlight sites where the fuel level is inadequate to handle the expected outages.

Comprehensive Generator Management: In addition to these features, Galooli's solution for generators covers live monitoring, reporting, alerting, and maintenance planning.

Asset Data



Grid



Generator



Fuel



Customer 3rd party
Load Shedding Schedule API



Galooli's Cloud Platform

- Live Data Display
- Customized Notifications
- Generator & Fuel Analytics
- Generator Control Automation

USE CASE

Remote generator management for Uninterrupted Power Supply During Load Shedding

Challenge:

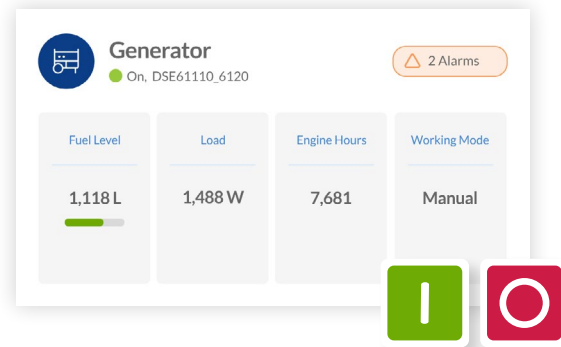
Businesses that operate facilities that require uninterrupted power supply are often challenged by frequent load shedding events. This can lead to downtime, disruption of critical operations, and financial losses.

Solution:

Remote generator management is a practical solution to address the challenges of frequent power disruptions. It allows businesses to start their generators remotely, ensuring continuous power supply during load shedding events.

Benefits:

- Continuous operations: Prevents downtime and disruptions to critical operations.
- Reduced costs: By starting the generator only when needed, businesses save on fuel and maintenance costs.
- Remote management: The system can be managed remotely, reducing the need for on-site personnel during load shedding events.
- Improved reliability: Businesses can rely on a consistent power source, enhancing the reliability of their services and operations.



Example:

A bank uses a remote generator management solution to ensure that its data center continues to operate without interruption during load shedding events. The bank's IT staff easily configured the system to automatically start the generator a few minutes before a scheduled power outage is expected to begin. The system also automatically switches the data center over to generator power as soon as the utility power supply is interrupted.

Once the load shedding event is over, the system automatically switches the data center back to utility power and shuts down the generator. This entire process is automated, so the bank's IT staff does not need to take any manual action during a load shedding event.

Conclusion:

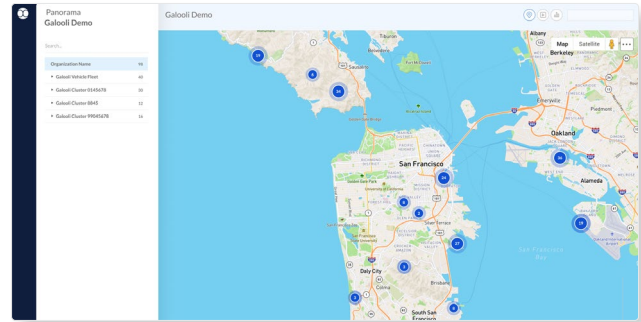
Remote generator management is a reliable and cost-effective solution for businesses that operate facilities that require uninterrupted power supply. It can help businesses prevent downtime, disruption of critical operations, and financial losses.

About

Powered by Galooli's Energy Management as a Service (EMaaS), NovaSolis provides a comprehensive range of energy generation, management, security, and optimization solutions for telecommunications, data centers, agriculture, and urban applications. With the help of the Energy Management as a Service (EMaaS) solution, businesses will have real-time insight into the use of energy, the performance of their equipment, and the need for maintenance, allowing them to optimize their energy use and reduce wastage.

With the help of this strategic collaboration, businesses and industries across Africa will be able to take advantage of more cost-effective, efficient, and sustainable solutions to their energy problems. It promises to reshape the landscape of distributed energy resources (DERs).

KEY FEATURES

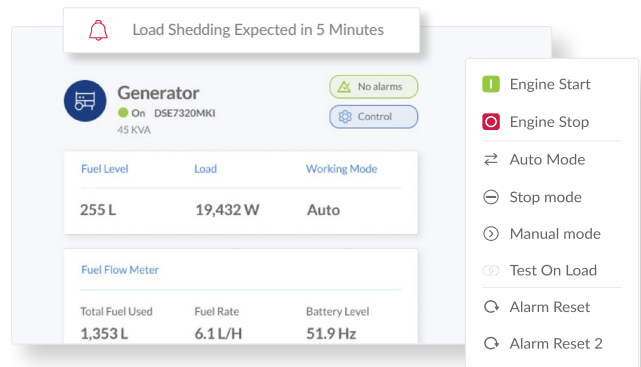
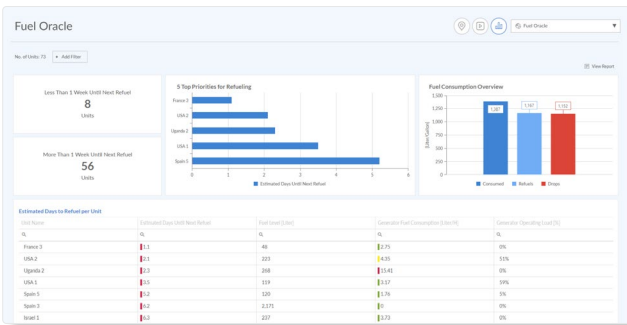


Fuel Costs Saving

Reduce fuel loss and theft, pay fuel bills based on accurate fuel consumption data.

Reduce Site Visits and overall operational costs

Reduce on-site inspections, maintenance visits and unnecessary fueling visits.

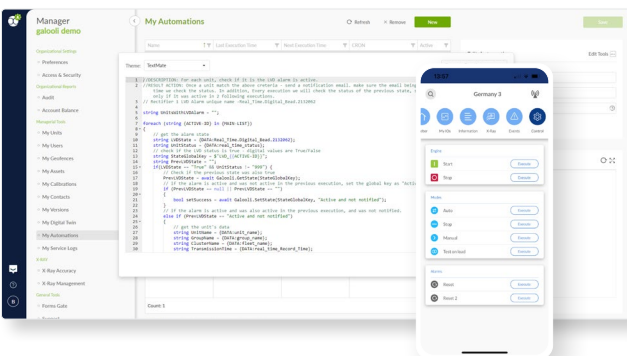


Refueling Planner

Stay on top of your refueling schedule with AI-based predictions

Preemptive Load Shedding Response

Turn generators on/off remotely and automatically based on load shedding timing, to avoid downtime and unnecessary visits.



Remote Control

Full control of generator activity and working mode, which can be automated according to the generator's real-time data - including changing the working mode if an alarm indicates that the generator is not in automatic mode.