

**5** SAVINGS ON FUEL COSTS  
**MILLION USD**  
ANNUALLY

**2000**  
OMNICOMM LLS INSTALLED IN  
DIESEL GENERATORS

**↓34%**  
FUEL CONSUMPTION  
REDUCTION

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**OMN i COMM**  
fuel consumption control  
for fleet management systems





Galooli Group is one of the leading telematics vendors of energy-saving solutions and technologies for remote control, monitoring and security for out-of-the-way facilities. The company has operations in Africa and Latin America with commercial solutions deployed in 22 countries for over 1,500 corporate clients.



# GALOOI TELECOM RECOMMENDS OMNICOMM LLS AS HIGHLY ACCURATE



## SPECIFICS OF EAST AFRICAN JOINT PROJECT

Diesel consumption is one of the major operational costs for the fleet, telecom operators and tower owners. The energy costs are 80% of the operating expense, with the generators working 40% in the daytime.

At the same time the problem of fuel theft in Africa is really crucial, the rate of tampering with vehicles is very high. Normally the drivers are the ones involved in fuel theft in the country.

Specifically theft happens on stationary assets which makes it problematic to identify whether the contractors, guards, drivers are the ones responsible for it.

During the implementation of large ambitious projects involving the remote monitoring of mobile base stations in East Africa, Galooli decided to apply Omnicomm LLS fuel level sensors for fuel consumption monitoring.

In particular, Omnicomm LLS 20160 fuel level sensors have been installed on over 2,000 diesel generators powering remote mobile base stations in Uganda. Thanks to installed Omnicomm equipment the generator fuel costs have decreased by 30 - 40%, and overall savings have amounted to over \$5 m per year.

## FIGURES OF EFFICIENCY

- The level of fuel theft in Uganda amounted to about 40% before installing Omnicomm fuel monitoring system, and **about 7% after installing**
  - Fuel consumption reduced in **34%** just in two years
  - The company to save **more than \$5 m annually**
  - Collocation billing from system provides higher and more efficient revenues stream
- Implementation of Omnicomm fuel monitoring solution in East Africa showed that fuel lost due to false invoicing and fuel theft can reach 30-40 % of the fuel expense.

## OTHER RESULTS

- After the installation of Omnicomm system specific areas where fuel theft occurred were uncovered. One of them is theft through the return pipe. Thus, earlier when the fuel monitoring system was not applied, the return pipe could be removed from the genset tanker not allowing the unburnt fuel to return there. It would go to an empty jerrican instead. This happened at the sites that mostly ran 24/7 and were guarded
- With the help of the system it became possible to identify the persons responsible for theft
- Poor conditions on sites, such as contaminated fuel, broken generators and parts, dead batteries etc. were revealed according to the system parameters



## THE LEVEL OF FUEL THEFT DECREASED **BY MORE THAN 30 %** AFTER INSTALLING OMNICOMM FUEL MONITORING SYSTEM



**MR. YUVAL GOLDBERG,**  
*Marketing manager, Galooli*

*"By using reliable and verified data from Omnicomm fuel level sensors, we at Galooli are able to provide our clients with real consumption rates, constant fuel level, fuel drains and eliminate false fuel invoicing. Galooli's remote performance and analysis solution relies on the most accurate fuel readings in the market. On behalf of Galooli Telecom I can recommend Omnicomm LLS fuel level sensors as highly accurate. Moreover, Omnicomm proved to be a very reliable partner, our cooperation is very close businesswise and professionally"*



**STANISLAV EMELYANOV**  
*Omnicom Deputy Director*

*"Our experience shows that practically no country is immune to the problem of fuel theft. It is especially rampant in the locations with no strict control and accounting. Omnicomm fuel level sensors provide accurate information on the actual quantity of fuel received and consumed which deters theft and helps companies to achieve substantial cost savings"*

## OMNICOMM LLS

Over 500,000 Omnicomm sensors have been sold in over 100 countries worldwide. 146,000 items were sold in 2013. Only 2 % of warranty cases occurred from 2003 to 2013.

Omnicom LLS sensors are designed to work all around the world, from the North Pole to equator, in all climate and weather conditions (99% accuracy from -60° to +80°C). Omnicomm LLS digital fuel level sensors have two interfaces that can be connected to two terminals.

Omnicom LLS-AF analog sensors are in fact digital sensors with analog output. This allows reaching the level precision necessary for correct fuel control, corresponding to the level of the digital sensors.

Wide range of power supply 7-50V (7- 45V for LLS-AF) allows to charge Omnicomm LLS sensors with the small battery and connect vehicles with power surges which ensures high protection against malfunctions in the event of breakage of the voltage regulator.

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