

SOLLATEK AVRS IMPROVES THE NETWORK UPTIME FOR ETISALAT NIGERIA



Etisalat Nigeria selected Sollatek's AVR products with wide input range and solid-state technology to tackle frequent power outages, resulting in improved network uptime and customer satisfaction.



The AVR solution not only halves the cost of running on the diesel generators on which GSM (global systems for mobiles) sites depend, it reduces the generator maintenance requirement and enhances working conditions.

As a leading telecom operator in Nigeria, Etisalat faced a severe problem with frequent power outages and voltage fluctuations, causing equipment damage and significant revenue loss. The extreme voltage fluctuations

were caused by the country's unstable power grid, which was unable to meet the demand for power.

The power outages and voltage fluctuations resulted in downtime for Etisalat's network, leading to a loss of revenue, decreased customer satisfaction and equipment damage caused by these fluctuations.

To address this issue, Etisalat Nigeria decided to invest in automatic voltage regulators (AVRs) for their operations in Nigeria. After evaluating various companies that offered AVR solutions, Etisalat chose Sollatek, primarily due to their ability to handle the huge voltage fluctuations that Etisalat was experiencing, but also because their experience in power control and presence in Africa. Sollatek's AVR have a wide input voltage range of -30% to +22%, which means that they can regulate incoming voltage even when there are significant fluctuations in the input voltage levels.

Project: Stabilised massive voltage fluctuations at BTS sites after using Sollatek AVRs
Country: Nigeria
Year: 2014
Product: AVR Including Isolating Transformer



Sollatek's AVR are also solid-state, which means that they require no regular, costly maintenance, unlike Servo technology. They are designed to meet international standards, manufactured using high-quality components, and built to withstand the harshest of African climates, making them highly reliable and durable. Sollatek also offered technical support and maintenance services to their customers, making it easier for Etisalat to address any issues that might arise.

The installation of Sollatek's AVR products resulted in significant improvements in power quality at Etisalat's sites in Nigeria. The AVR products regulated incoming voltage to a stable level, protecting critical equipment from damage caused by voltage fluctuations. This resulted in improved uptime and reliability of Etisalat's network, leading to increased customer satisfaction and reduced revenue loss due to downtime of sites. With stable power supply, Etisalat could offer uninterrupted services to its customers, which helped in retaining existing customers and attracting new ones.



AVR Specification

Model	AVR3x150-ACMPIO
Max Output Current	150 Amps
Input Voltage	220/380V -30% to +22%
Output Voltage	220/380V +/-4%
INCLUDED FEATURES	
A	AVS Function
C	Output Circuit Breaker
M	Digital Meters
P	Changeover switch
I	Isolating Transformer
O	Outdoor Enclosure (IP44)

Sollatek's expertise extends worldwide through local networks

Established for over 40 years in the United Kingdom, Sollatek is a manufacturer of innovative products in power control, energy saving, temperature control and solar energy. Operating from 12 countries and a global distribution network in 60 more. Sollatek has grown to become a household name, particularly in harsh and demanding environments where reliability and affordability are essential to everyday life. The Sollatek voltage protection product range now includes full lines of voltage switches, stabilisers, conditioners and uninterruptible power supplies (UPS). So whether the need is to control the quality or continuity of electrical supply, Sollatek is sure to have a solution.

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