

Project : Automatic Voltage Regulator for Telecommunications Providers
Country : Kenya
Year : 2008-Ongoing
Product : AVR including isolating Transformer

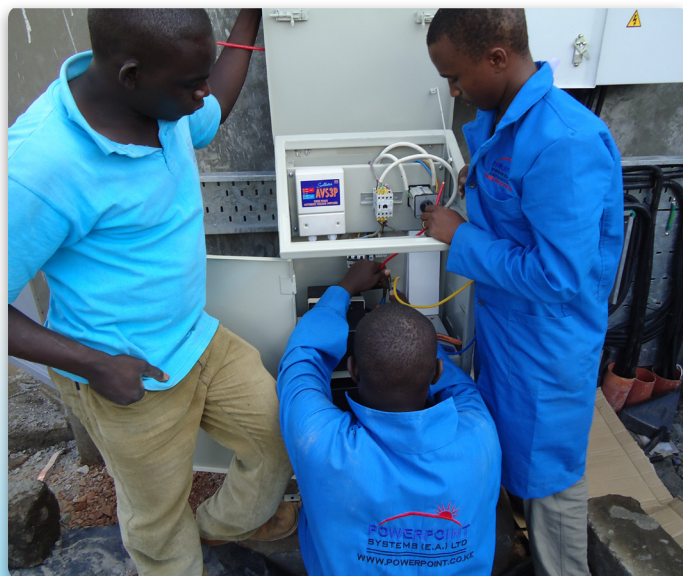


Powerpoint Systems (EA) Ltd provides complete power protection to East Africa Telecommunication providers

Switched-on Telecommunication providers are cutting energy costs and increasing operational efficiency by installing Automatic Voltage Regulators (AVR).

During a specific power issue, powerpoint systems (EA) Ltd Engineers often additionally identify other ways to help the client, using multi-solution approach made possible through a mix of leading technologies and an ethos of listening carefully to the client.

Zain and Orange Kenya decided to enhance the quality and smooth running of their mobile phone network for customers, they came to PowerPoint System (EA) Ltd for solutions. The main aim was to protect equipments from erratic electricity supply and also to achieve fulltime running with minimum use of costly backup diesel generators. PowerPoint Systems Engineers chose Sollatek AVR to solve the problem.



The Sollatek AVR is designed specifically to deal with the high level of protection required for telecommunication applications and for equipment that require a higher level of surge, spike, & noise protection. Using an isolating transformer, the AVR provides a clean neutral and 10:1 attenuation ratio ensuring that noise on the output is significantly reduced relative to the input.

The AVR provides complete power protection using an isolating transformer, solid-state voltage stabilization and AVS switching. This unit regulates the supply voltage for Zain's and orange's main telecommunication Switches in Kenya. Zain Kenya, part of the global giant Zain Group, and Orange Kenya, part of the orange Group are one of the leading mobile telecommunications providers in Kenya.

Benefits

The Sollatek AVR has no motor and no moving parts a feature putting the company ahead of the competition and translating into two benefits for Zain and Orange Kenya. Firstly, the absence in the AVR of a motor means savings in maintenance costs and time. Secondly, the Sollatek solid state technology is designed and manufactured to withstand extremes of high humidity, dry weather and dust. These features make the AVR highly reliable and ideal for the company's operations in Kenya.



Powerpoint System (EA) Ltd engineers have a wealth of knowledge and experience in installations and maintenance of Sollatek AVR and that's why they were chosen by Zain and Orange Kenya.

Diesel generator's runtime could be reduced from 24-hour operation to only 10–12 hours per day. This saves a company at least \$18,000 per annum on fuel costs, the AVR paying for itself in a very short time. Additional benefits of AVR from Powerpoint systems (EA) Ltd include silent, fume-free running for much of the day, in contrast to the constant high noise levels experienced previously.

