

CUSTOMER SUCCESS STORY

CUSTOMER: ANONYMOUS
INDUSTRY: OIL AND GAS
REGION: AFRICA
PRODUCT: iES26GF & iRBX6GF

THE CHALLENGE

An oil company in Africa required powered substations at a remote site location. However, the cost of installing and commissioning a full substation was not feasible. Minimal costs, installation, commissioning, and start-up times were key considerations while limiting the footprint onsite. All equipment commissioned for the substation facility had to be successfully tested to ensure proper communications to the relays and PLCs at the time of site turn-up.

THE SOLUTION

The solution required an immediate need for a cost-effective alternative to building a substation for power distribution. A builder of E-houses provided a customized and prefabricated solution based on the project requirements. They implemented iS5Com's [iES26GF](#) and [iRBX6GF](#) Ethernet Switches to provide communications designed for IEC61850 and IEEE 1613 specifications specific to Substation applications. iS5Com products provided layer 2 communications utilizing networking protocols for Quality of Service (QoS), Rapid Spanning Tree (RSTP), and other redundancy protocols such as High Available Seamless Redundancy (HSR) & Parallel Redundancy Protocol (PRP). These enabled the customer to have a reliable and high performing communications network for their SCADA application inside their E-houses. Through successful interoperability testing and exceptional technical support, iS5Com became the standard communications vendor in all their future projects.

BENEFITS

- Shorter start-up and commissioning time
- Reduced onsite integration and testing, already done at the factory
- High performing network and unparalleled support from i5Com as Ethernet communications standard
- The E-house can be mobilized and utilized for other applications such as Power Utilities upon completion of the Oil & Gas project

IMAGES



Prefabricated assembled E-houses to be used onsite.



i5Com iES26GF's mounted in cabinet bays.



i5Com iES26GF's wired and connected in cabinet bays ready for pre-testing.

ABOUT iS5 COMMUNICATIONS INC.

iS5 Communications Inc. (“iS5Com”) is a global provider of integrated services and solutions, and manufacturer of intelligent Industrial Ethernet products. Our products are designed to meet the stringent demand requirements of utility sub-stations, roadside transportation, rail, and industrial applications. iS5Com’s services and products are key enablers of advanced technology implementation such as the Smart Grid, Intelligent Transportation Systems, Intelligent Oil Field, and Internet of Things. All products have the ability to transmit data efficiently without the loss of any packets under harsh environments and EMI conditions.



For more information, visit: is5com.com

toll free: +1-844-520-0588 | fax: +1-289-401-5206 | info@is5com.com

technical support: +1-844-475-8324 | support@is5com.com

Address: 5895 Ambler Dr, Mississauga, ON L4W 5B7