

NGCP USES NPORT 5150 TO CONNECT WITH REVENUE METER

USING MOXA SERIAL-TO-ETHERNET DEVICE SERVERS TO PROVIDE ETHERNET CONNECTIVITY FROM ANYWHERE ON THE NETWORK, INCLUDING OVER THE INTERNET USING TCP/IP PROTOCOL

APPLICATION:	Revenue meter monitoring
INDUSTRY:	Power
REGION:	Taytay, Rizal , Philippines

SYSTEM REQUIREMENTS

- Serial device servers which supports a variety of operating modes, including TCP Server, TCP Client, UDP, and Real COM
- Industrial Grade and Rugged design to withstand harsh conditions, such as high temperature , and humidity in a 24/7 operation setting.

INTRODUCTION

NGCP is a privately owned corporation in charge of operating, maintaining, and developing the country's state-owned power grid, an interconnected system that transmits gigawatts of power at thousands of volts from where it is made to where it is needed.

The company performs its mandate as transmission service provider with the full awareness of its nature as a public utility, and in full compliance with the rules and regulations of the regulator, and existing laws governing its transmission operations.

MOXA SOLUTION:

NPort 5100 device servers are designed to make serial devices network-ready in an instant. The small size of the servers makes them ideal for connecting devices such as card readers and payment terminals to an IP-based Ethernet LAN. Use the NPort 5100 device servers to give your PC software direct access to serial devices from anywhere on the network.

Using serial device servers to connect legacy serial devices like Revenue meters to Ethernet is now commonplace, and users expect device servers to be cost-effective and to provide a broad selection of useful functions. With its full support of Microsoft and Linux operating systems and solid 5-year warranty, the NPort 5100 Series provides the best choice for serial-to-Ethernet converters.

The company performs its mandate as transmission service provider with the full awareness of its nature as a public utility, and in full compliance with the rules and regulations of the regulator, and existing laws governing its transmission operations.

NGCP USES NPORT 5150 TO CONNECT WITH REVENUE METER

USING MOXA SERIAL-TO-ETHERNET DEVICE SERVERS TO PROVIDE ETHERNET CONNECTIVITY FROM ANYWHERE ON THE NETWORK, INCLUDING OVER THE INTERNET USING TCP/IP PROTOCOL

APPLICATION:	Revenue meter monitoring
INDUSTRY:	Power
REGION:	Taytay, Rizal , Philippines

WHY MOXA:

Reliability:

The NPort 5150 is a reliable device server that is designed for industrial and commercial applications. It has a wide operating temperature range (-40 to 75°C) and supports a variety of operating modes, including TCP Server, TCP Client, UDP, and Real COM. This makes it ideal for use in casino environments, where reliability is critical. Substations are operating 24/7. This means that the devices that are used in Power Substation, need to be reliable and able to withstand continuous use. MTBF(Mean Time Before Breakdown) is 2,736,202 hrs.

Security:

The NPort 5150 supports authentication by Local database (password). This helps to protect the Substation network from unauthorized access.

Performance:

The NPort 5150 is a high-performance device server that can handle a large number of concurrent connections. This is important for Substations, where Revenue Meters need to be able to communicate with the Substations central server in real time.

Ease of use:

The NPort 5150 is easy to configure and manage using Moxa's NPort Device Utility software. This makes it easy for NGCP Engineers to set up and maintain the device server. It supports the TCP/IP protocol, which is widely used in today's systems. This allows the NPort 5150 to be used to connect to the Substation Automation System or SCADA, which can be used to monitor the TOU, energy, voltage, power of the system.

NGCP USES NPORT 5150 TO CONNECT WITH REVENUE METER

USING MOXA SERIAL-TO-ETHERNET DEVICE SERVERS TO PROVIDE ETHERNET CONNECTIVITY FROM ANYWHERE ON THE NETWORK, INCLUDING OVER THE INTERNET USING TCP/IP PROTOCOL

APPLICATION: Revenue meter monitoring

INDUSTRY: Power

REGION: Taytay, Rizal , Philippines

SYSTEM ARCHITECTURE:

