ROMELCO RECLOSER PROJECT OF STATIC POWER INC.

USING MOXA MODBUS SERIAL RTU TO MODBUS TCP FOR EASY GATHERING OF MODBUS DATA

APPLICATION:

Connect Modbus serial device Eaton Form 6 Recloser

INDUSTRY:

Power

REGION:

Philippines

SYSTEM REQUIREMENTS

- Modbus Gateway with RTU Slave Mode capability.

- Industrial Grade and Rugged design to withstand harsh environmental conditions, such as high temperature , and humidity.

WHY MOXA?

- All Moxa Device Serial Servers come with a 5-year warranty and long MTBF, making them ideal for mission-critical applications such as in Manufacturing plants.

- Moxa provides a complete solution of industrial networking solutions.

Static Eaton Form 6 Solution by using MGate MB3180

INTRODUCTION

Romblon Electric Cooperative, Inc. (ROMELCO) is an electric cooperative that distributes electricity to the islands of Romblon and Sibuyan in the Philippines. It is headquartered in Romblon, Romblon, and has area offices in the municipalities of San Fernando, Cajidiocan, Magdiwang, Banton, and Corcuera.

ROMELCO was incorporated in 1989 and granted a 50-year franchise to operate an electric light and power service in Romblon and Sibuyan by the National Electrification Administration (NEA) in 1991 and 1994, respectively.

ROMELCO has fully energized all 98 barangays within its coverage area and is continuously working to energize all 441 sitios as part of the Rural Electrification Program.

MOXA SOLUTION

Modbus Data Gathering via TCP in a power industry is a very important operation. Gathering Modbus data from the Eaton Form 6 recloser via Modbus TCP/IP is very convenient for every engineer's dream. Moxa MGate MB3180 provide the solution with the capability of Modbus RTU convert into Modbus TCP that polls data from the Eaton Form 6 recloser to the SCADA software. Moxa MGate MB3180 also is capable of withstanding high temperature(up to 75 degrees) and humidity. With the Moxa solution the SCADA software can obtain data at real time.