

## Gas distribution monitoring and control system

2008-04-24

**Location / Country :** A System Integrator Taiwan

### Product Solutions:

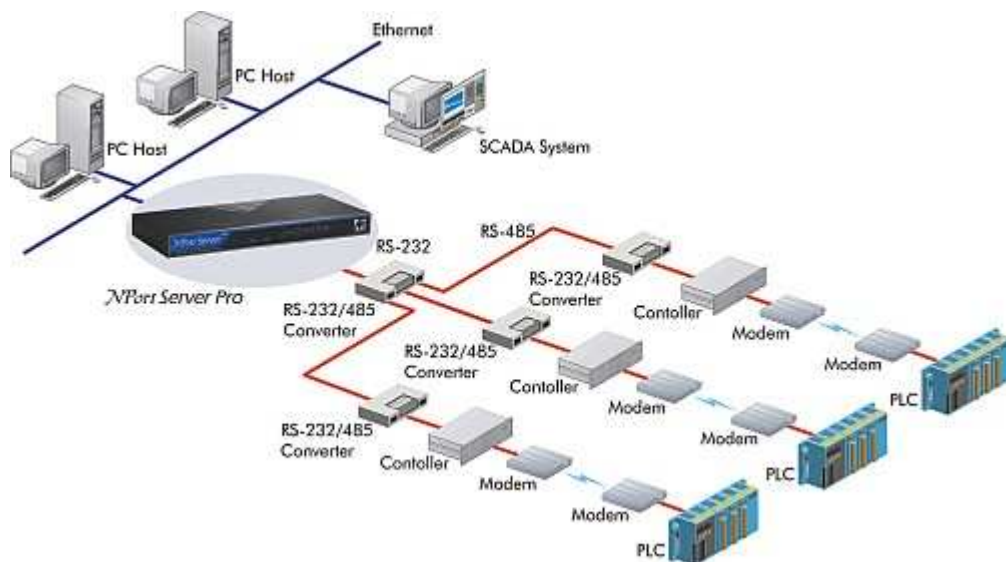
[NPort 5200A Series](#)

2-port RS-232/422/485 serial device servers

### Introduction

Project Introduction

NOTE: The NPort Server Pro has been replaced by the NPort 5600 Series.



In many countries, the general population has become more and more concerned about the safety of nuclear power plants, and the air pollution caused by power plants that use coal as a power source. Since natural gas is considered clean and economic, it is becoming a preferred choice for providing both household and business energy needs. Although it is transported via underground pipelines, the safety of natural gas transportation is still a key concern. As a result, building a control system that is able to monitor effectively the status of distributed support equipment and gas pipeline systems is a critical issue for companies that supply natural gas.

### Moxa Solution

The customer in this story has built a system that uses NPort Server Pro to control all of its sites remotely. The system is made up of several Windows NT PCs in the control center that connect to a network of PLCs (Programmable Logical Controllers). With the help of NPort Server Pro, PLCs at each gas distribution site can monitor pipeline system variables such as the temperature and pressure of water, oil, and gas. This data is then delivered to the PC-based SCADA system in the control center via a TCP/IP network, allowing the staff in the control

center to respond quickly to any emergency. In this way, the natural gas distribution company can improve safety requirements for their customers and the public as a whole.

Why Moxa

- Saves administrative time and maintenance costs