Problem Solvers
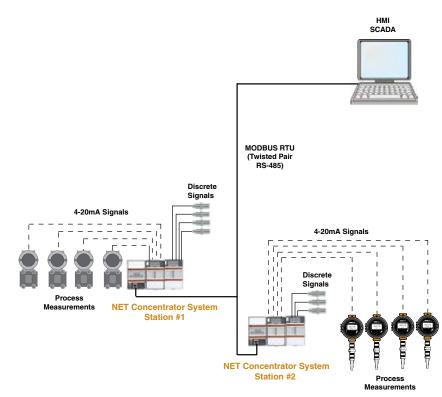## Practical Application Ideas and Technical Information

Peer-to-Host Data Collection Over Twisted Pair

Problem: We have seven signals in one remote location and eight in another that we want to bring into our existing PLC control system. Do you have a remote I/O product that can be placed on a twisted pair and digitally bring signals back to the MODBUS RTU port on our PLC?

Solution: The NCS NET Concentrator System® allows any mix of analog, temperature (RTD and thermocouple) and discrete inputs and outputs in a network. Data can be sent via MODBUS RTU HOST. You can daisy chain up to 255 NCS slaves onto this network. The NCS also has an OPC server available for those host systems that don't support MODBUS RTU.

Go to the Process Control and Distributed I/O Networks Systems Selection Guide

Process Control and Distributed I/O Networks

Process Control and Distributed I/O Networks diagram showing HMI SCADA, MODBUS RTU (Twisted Pair RS-485), NET Concentrator System Station #1, NET Concentrator System Station #2, 4-20mA Signals, Discrete Signals, and Process Measurements.

Model Number Examples
EMM / COM / SM / 20-30DC [DIN]
AIM / IO / AI4 / IP [DIN]
DIM / IO / CC8 / IP [DIN]

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Specifications subject to change.