

Demand Moore Reliability

NCS Peer-to-Peer Saves the Day at UK Refinery

An oil refinery in the United Kingdom using HART DP transmitters on its boiler columns to measure pressure, temperature and flow also used our HIM HART Interface Module to extract three variables from the 4-20mA signal. When the HART DP transmitters were replaced with alternative pressure, flow and temperature transmitters due to inaccurate measurements at low pressures, the plant only had one twisted wire pair available at each column to send the three analog signals to the control room.

The NCS NET Concentrator System[®] in a Peer-to-Peer was able to reproduce the signals over a single twisted pair. Because the existing twisted wire pair ran through a hazardous area, a STAHL Type 9185 I.S. RS485 repeater barrier was hooked back-to-back to safely carry the MODBUS RS485 NCS communications signal.

