

# Demand Moore Reliability

## Interfacing HART Devices to a DCS

A major chemical company had Micromotion meters installed on a tank truck loading line. They needed the ability to trend these meters for data at intervals no longer than five minutes and have that data sent to operators across a network. To do this, they had to interface multiple HART devices to the DCS with a MODBUS RTU interface.

Moore Industries' solution was the HCS HART-to-MODBUS interface module. This allows one HART device to be connected in single drop mode or up to 16 HART devices in multi-drop mode. The HCS queries the HART devices and stores the data internally in MODBUS registers. The DCS MODBUS interface card serves as the MODBUS master, querying the HCS to grab the data.

