

SCADA CNG

Introducing MDi Controls' Supervisory Control and Data Acquisition System for Compressed Natural Gas (CNG)

This system connects MDi's Controls standard Compressor and Priority/Sequential Controls to a central PC using industry proven MODBUS RTU protocol communicating over a dual, twisted pair cable (RS485). All controller parameters can be monitored on the PC using color graphic screens to display valve status, flow status, pressures, temperatures, levels, etc. Fault alarm monitoring and automatic remote dialout can also be added to the system.

- **Dispenser**

- Monitor Hose on/off status
- Gas Flow Rate / Vehicle Tank Pressure
- Volume display in gallons or liter equivalents
- Total Sale, Unit price and totalizers
- Daily, weekly, monthly report generation

- **Authorization**

- Cardlock or keylock system authorization
- User password and identification capability
- Vehicle mileage and fuel usage reporting and storage
- Credit card authorization

- **Priority and Sequential Controls**

- Monitor storage tank levels
- All Valves open/closed status
- Flow Rates, pressures, Gas leak levels, temperatures, etc

- **Compressor Controls**

- Monitor Start/Stop sequences
- All valves and solenoids status
- Motor/Engine and Cooler Fan operational status
- Pressures, temperatures, Gas Leak Levels, etc.
- Fault shutdown monitoring

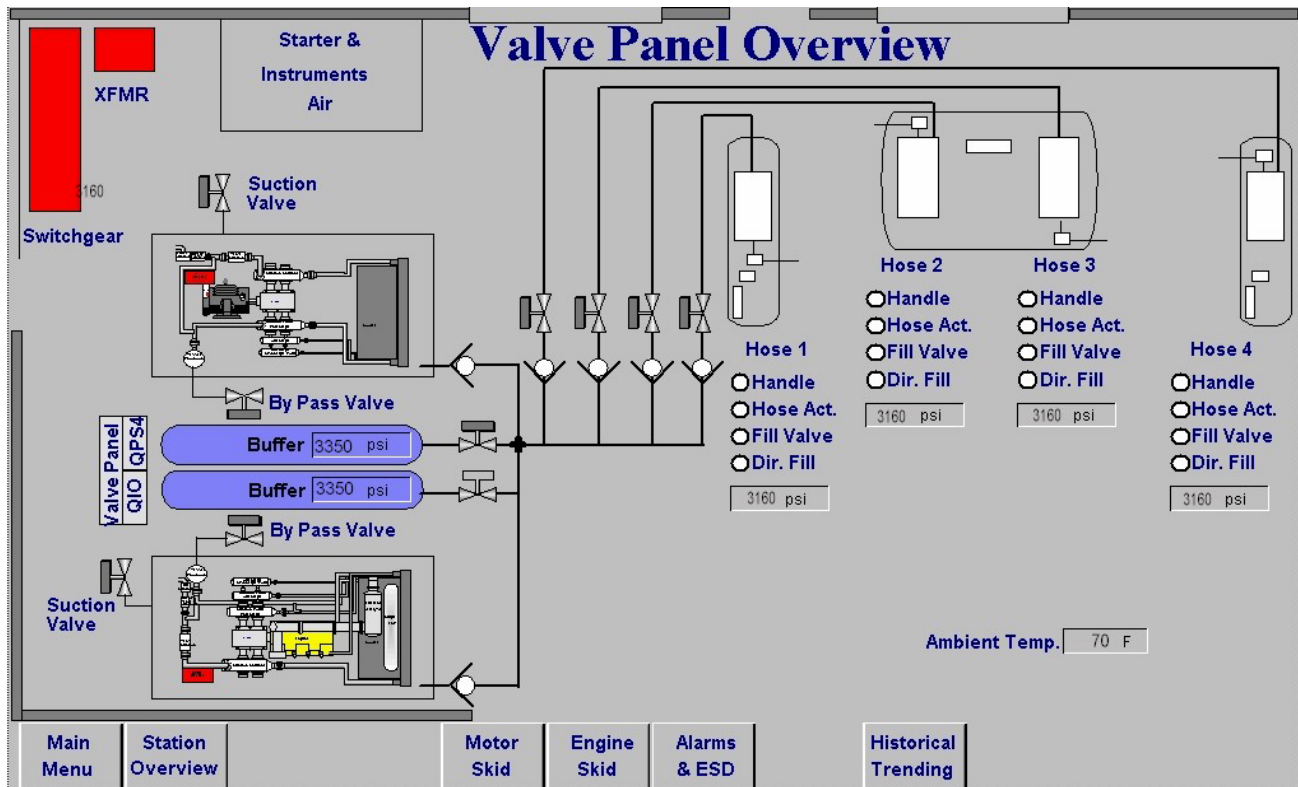
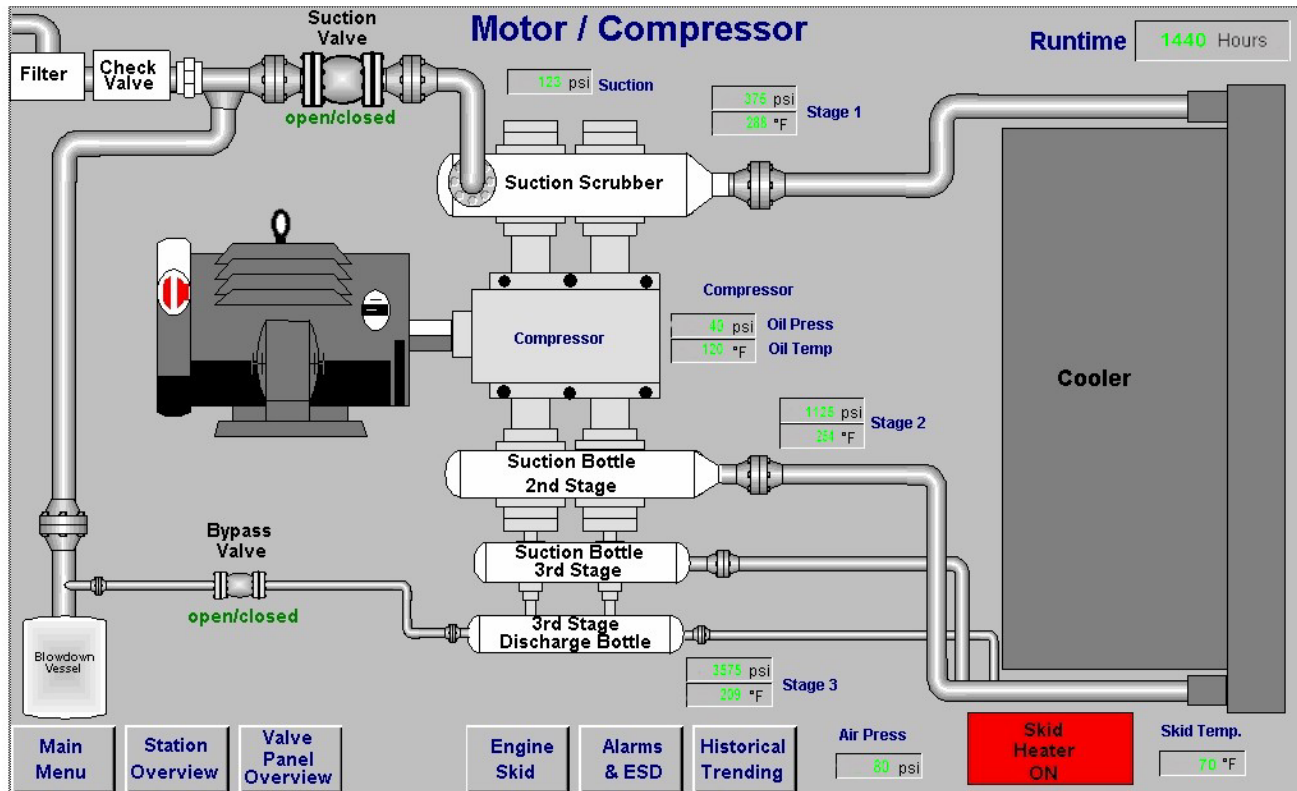
- **SCADA**

- Multiple full color graphic screen displays
- Historical trending and data logging of any point with user programmable sample rate
- Customized report generation
- Remote alarm annunciation using voice, beeper, pager, alphanumeric pager, etc.
- Selective and QUED alarm dialout sequencing
- Remote PC to PC linkup for remote SCADA control and monitoring



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