

Performance Upgrades



INCREASE RELIABILITY · DECREASE DOWNTIME · INCREASE PRODUCTION ·
DECREASE COST · INCREASE RELIABILITY · DECREASE DOWNTIME · SAVE

CCI Positioning Controls Upgrade: PSD 400 for 3 Phase Actuators

- Improved Controllability
4-20 mA signal eliminates 'pulse' function
- Reduced Maintenance Costs
Eliminates torque switches & load cells
- Higher Valve Performance
Reverse motor impulse for precision control
- Quick Calibration & Tuning
Easy setup through user interface
- Valve Diagnostics
Interactive health information of valve
- Laptop Interface
User interface software and cable supplied

CCI Sulzer electro-mechanical actuator type SMR has proven to be a superior robust design that can handle severe ambient environments for over thirty years. With proper routine maintenance, the mechanical components will continue to provide exceptional performance for years to come.

Outdated Technology

The electrical components, however have well exceeded their service life and most are considered obsolete. These out-of-date components are difficult and time consuming to calibrate and maintain the valves.

These following electrical components are obsolete and replaced with the latest digital technology to provide superior performance.

- Torque Switches
- LEA10 / LD20 Cards
- Motor
- Switch Gear SAM 6000
- RS10 / LD10 Cards
- Feedback Transmitter

The upgrade eliminates the unreliable and time consuming torque switches and the out of date, obsolete analog positioning system.

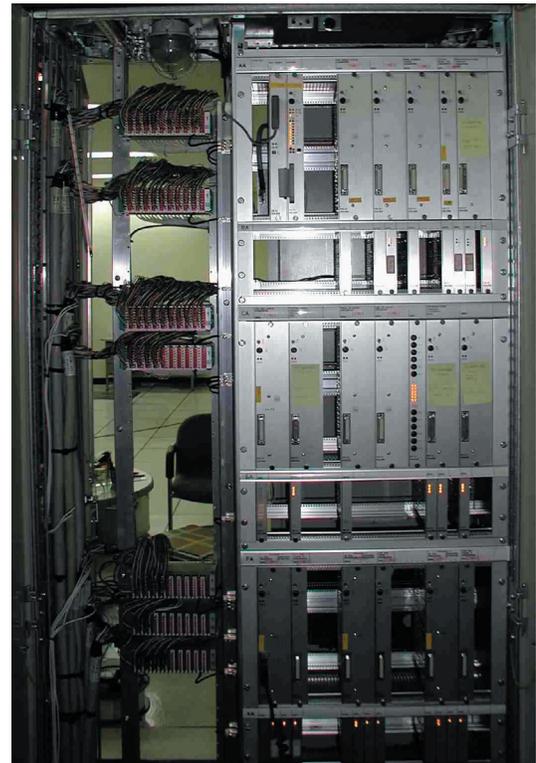


Figure 1: Existing Obsolete Controls

Performance Upgrades



INCREASE RELIABILITY · DECREASE DOWNTIME · INCREASE PRODUCTION ·
DECREASE COST · INCREASE RELIABILITY · DECREASE DOWNTIME · SAVE

CCI's Cutting Edge Technology

PSD 400 Positioning System

- Improved programming logic
- Fully programmable and adjustable
- Torque limitations set by "true watts" monitoring
- Soft seating and lift from seat
- Position accuracy improved with reverse impulse
- Temperature monitoring for motor and brake
- Protection against voltage and current spikes
- 4 -20 mA demand and feedback signal
- Valve diagnostic capability
- Copy & paste function availability of parameters from one valve to another
- Can be installed into existing cabinet if necessary

The motor, electro-mechanical brake and feedback transmitter can all be upgraded to the latest designs for optimum performance and further reduced maintenance costs.

New Motor (3 Phase)

- Long term spare parts availability

New RSG Feedback Transmitter

- 4 limit switches (SPDT) and ambient temp up to 175°F
- 4 - 20 mA feedback signal

New Break

- 24 Vdc brake
- Energize to lift for safety

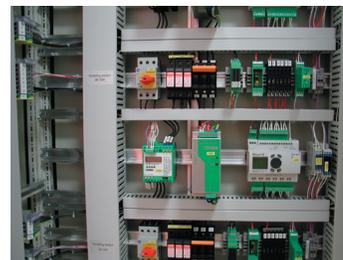


Figure 2: CCI's Upgraded Controls

For your nearest contact, visit www.ccivalve.com or
email your request to performanceupgrades@ccivalve.com