Honeywell UOP

CRCS RETROFIT – CCR PLATFORMING™

Honeywell UOP provides tailored Aftermarket solutions that allow customers to focus on proactive maintenance strategies, operational optimizations and improvements, and reduction in total cost of ownership. UOP is committed to providing customers with proven control system technology to help ensure the long-term performance and reliability of UOP equipment. UOP proudly offers CRCS retrofits that provide customers with control systems designed to improve existing operations to most efficiently meet business goals.

Control System Modernization

UOP's investment in continuous product design shows our commitment to technology development and updates for improved lifecycle management.

- Modernization of your CCR control systems allows you to take advantage of new functionality with enhanced troubleshooting tools
- As technology advances, hardware capabilities are quickly surpassed by new platforms

Why should you retrofit?

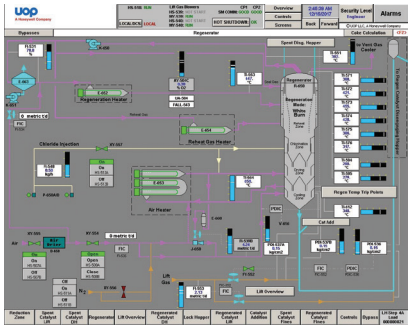
With the pace of technology advancements, system components are becoming obsolete more quickly. The UOP control system retrofits have been developed to offer the following benefits:

- Overcome obsolete spare part availability issues
- Utilize current technology
- Additional Safety features
- Additional catalyst safety features

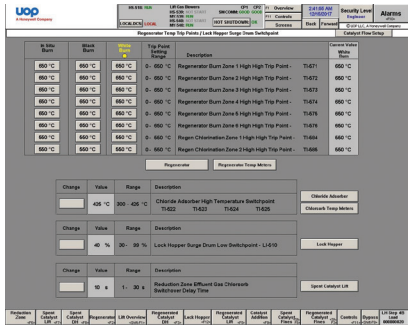
Technology Evolution

The UOP retrofit designs use the latest in critical control and capture enhancements from current CCR technology. By integrating this with our accrued process knowledge, the systems can provide the following benefits in:

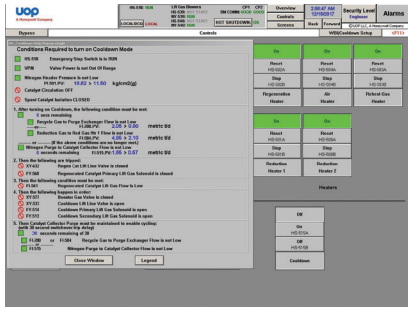
- Process (functionality)
- Operating (ease of use)
- Training (troubleshooting)
- Equipment protection (hardware)



White Burn Inhibit



Regen Screen Protection



Dynamic Help Screens

Justification

"Our current unit has been running just fine for years. How can I justify replacing it?"
If you've had issues with the following, it may be time to consider upgrading:

- Performance
- Number of Shutdowns & recovery time
- Regen screen failures
- Maintenance budgets

What Can UOP Offer for Control System Retrofits?

- More efficient output for optimum catalyst regeneration for maximum process profitability
- High on-stream factor/reliability
- Faster start-up and recovery from non-steady state operation
- Protection of catalyst and equipment resulting in maximum catalyst life and minimum maintenance requirements
- Safe operation – automatic regenerator shutdown should abnormal conditions be encountered; independent operation from the DCS if required

Top Features

- **White Burn Inhibit**
  Enhanced safety mechanism prevents operators from unintentionally regenerating twice-coked catalyst in the lower part of the regeneration tower. This feature helps to reduce chances of mechanical damage to the equipment or catalyst which can cause unplanned shutdowns.
- **Regen Screen Protection**
  Enhanced safety mechanism gives customers the ability to set and adjust their own temperature trip values in the burn zone; reducing the potential risk of thermally damaging the catalyst or screen.
- **Dynamic Help Screens**
  Troubleshooting aid delivers faster diagnostics through logic step requirements and what conditions need to be satisfied for the operation to continue or to diagnose trips that may have occurred.

For more information
www.accessuop.com

UOP LLC, A Honeywell Company
25 East Algonquin Road
Des Plaines, IL 60017-5017, U.S.A.
www.uop.com

UOP8265 August 2018

Honeywell UOP