

Hydrogen/ HyCO Plant Training

*Customized with focus
on Operational
Performance
Monitoring to
Maximize Production &
Reliability*

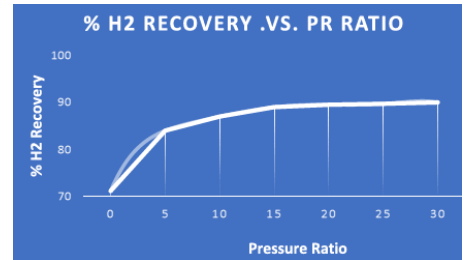
CUSTOMIZED TRAINING-WITH SIMULATION OF HYDROGEN/HYCO PLANTS CONFIGURATION

SINCE 2005

Hydrogen/HyCO Plant Training

by VK Arora, Kinetics Process Improvements

KPI is an independent Process Technology consulting and Engineering group specializing in Ammonia, Methanol & Petrochemicals Plants troubleshooting, Performance Improvements and Training since 2006. Houston & Bahrain offices.



Resources & Expertise

- Provided Training since 2006
- Trained >200 Personnel
- Troubleshooting and Design experience in all H2 Plant Configurations/Sizes

Objectives & Key Benefits

- To enhance knowledge & understanding of plant operations to improve Reliability & Efficiency
- Target group to include Process, Operating/Maintenance Personnel and Engineering

References

SABIC, Methanex, Methanol Holdings, AMPCO, CNC, PLNL, N2000, AUM, CFI

Brief Course Outline

- Hydrogen Technology Updates
- Feed Pretreatment
- Primary/Pre-Reforming
- GHR & ATR configurations
- Combustion considerations
- Waste Heat Recovery
- Shift Reactor system
- CO2 Removal System
- Methanation
- Cold box & Membranes
- Catalyst Considerations
- Hydrogen recovery & improvements
- Steam System
- Metallurgy Considerations
- Environmental Considerations
- Reliability Improvements
- Improve & Optimize Operations
- S/Up & S/Down Considerations
- Performance Monitoring-Equipment
- Hydrogen network improvements
- Hydrogen Plant Model demo

Kinetics Process Improvements

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