

# Ethylene Plant Training

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

ETHYLENE PLANT CAPACITY, EFFICIENCY & RELIABILITY IMPROVEMENTS

SINCE 2005

## Ethylene Plant Training

by Kinetics Process Improvements

*KPI is an independent Process Technology consulting and Engineering group specializing in Ammonia, Methanol & Petrochemical SPL plants trouble shooting, Performance improvements and Training since 2006. Houston & Bahra in offices*

### Resources & Expertise

- Simulation modeling for various Cracking Furnace Configurations
- Simulation modeling of complete Ethylene plant
- Troubleshooting and Design experience in various Coils and Plant Configurations
- Economic Modeling

### Objectives & Key Benefits

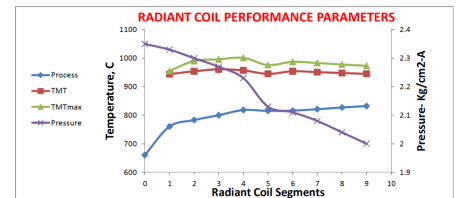
- To enhance knowledge & understanding of plant operations to improve reliability, efficiency and safety
- Target group to include Plant personnel, Process, Engineering & Maintenance

### References

SABIC, IEPL, ENIP, ELEME, PETRONAS, WESTLAKE, RELIANCE

### Course Outline

- Overview of Ethylene
- Technology & Updates
- Key Operating Variables
- Feedstock & Flexibility
- Cracking Coil Configurations
- TLE Considerations
- Chemistry, Yields & Coking
- Run Length Improvements
- Combustion Considerations
- Quench System Improvement
- CG/Refrig Compression
- Caustic Treating
- Cold Box
- Methanation
- De-Methanizer
- De-Ethanizer
- C2 Fractionator
- C2 Hydrogenation
- C3 Fractionation
- MAPD Hydrogenation
- Energy Audit
- Economics for Max Profits
- Steam System
- Environmental Consideration
- Equipment P/Monitoring



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