



PRACTICAL INSIGHTS INTO ON-PURPOSE PROPYLENE PRODUCTION & TROUBLESHOOTING

# PDH Plant Troubleshooting Training

(focus Reaction Section)

Including  
**Best Practices**  
**Lessons Learned**  
**Equipment Monitoring**  
**Improvements Tips**  
 (Customized, as needed)

TRAINING SINCE 2006

## PDH Plant Training Workshop

by Kinetics Process Improvements

**OBJECTIVE:** 3-days of comprehensive workshop provides simple and practical insights into PDH based Propylene production with an improved understanding of the fundamentals, technology, operations, troubleshooting, performance monitoring and economics with a focus on Reaction Section to

**Kinetics Process Improvements, Inc.**

16000 Park Ten Pl.,  
 Suite 903, Houston, TX 77084  
 (USA)

Phone: (+1) 281 773 1629

Fax: (+1) 832 565 9360

Email: [process@kpieng.com](mailto:process@kpieng.com)

Web: [kpieng.com](http://kpieng.com), [kpieng.net](http://kpieng.net)

### PRACTICAL INSIGHTS\*

- ✓ Propylene Value Chain
- ✓ PDH Process Overview
- ✓ Kinetics & Chemistry
- ✓ Major Process Systems
  - ✓ Dehydro Reactor System
  - ✓ Reactor Regeneration
  - ✓ Interlocks & ESD
  - ✓ HP Steam generation
  - ✓ Compression Train
  - ✓ Gas/Liquid Drying
  - ✓ Chilling
  - ✓ DeEthanizer
  - ✓ Propylene Fractionation
  - ✓ C2/C3 Refrigeration
  - ✓ Steam System
- ✓ Key Equipment
  - ✓ Charge Heater
  - ✓ Reactors
  - ✓ Cold Boxes
  - ✓ Compressors & Drivers
  - ✓ Mol. Sieve Dryers
  - ✓ Towers & Internals
- ✓ Major Process/Safety Controls
- ✓ Environmental Considerations
- ✓ Cost of Production & Economics
- ✓ Key Startup & Shut down Considerations
- ✓ Troubleshooting to improve:
  - ✓ Performance
  - ✓ Reliability
  - ✓ Safety

### TARGET GROUP

- ✓ Process/Tech Service Engineers
- ✓ Operations Engineers
- ✓ Production Sup't/Supervisors
- ✓ Mechanical Engineers
- ✓ Project Engineers
- ✓ Maintenance/Inspection Engineers
- ✓ Planning Engineers
- ✓ Reliability/Safety Engineers
- ✓ Plant Managers
- ✓ Business Development/Analysts

### KEY BENEFITS

- ✓ Deeper understanding of PDH Technology in Simplistic form
- ✓ Learn Simple & Practical techniques to Evaluate and Improve Performance, Reliability & Safety of the Major Equipment
- ✓ Better appreciation for Economics and Cost of Propylene production versus other key options
- ✓ Better understanding of Propylene Value Chain & the drivers



### TRAINING FORMAT

- Interactive Q&A for practical learning
- What-if scenarios for improvements
- Analysis of Practical Case Studies
- Models for better Understanding
- Simple to follow Training material

REFERENCES: TASNEE, APPC, BOREALIS, IBN ZAHR, IBN SINA etc..