

# Ethylene Cracking Technology

Consultant / Trainer  
**Anand Sundarrajan**



The Petrogenium Ethylene Cracking Technology course is designed to provide comprehensive knowledge of distillation technology for engineers and technologists from hydrocarbon process industries. This unique 4-day course is tailored to cover fundamental aspects of distillation design, operation and troubleshooting.

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### **Participants**

This course is intended for wide range of professionals from hydrocarbon process industries with entry level to mid-level industrial experience.

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### **Learning Objectives**

After completion of this course the participant will acquire in-depth knowledge of Ethylene Cracking Technology beginning with position of Cracker in the value chain, Cracking furnace Technology, Coking/decoking, Quench system, cracked gas compression, recovery train, Cold Box, C2/ C3 hydrogenation, safety events, contaminants hydrates & economics of production. The Participants will be able to apply their learnings to – operate/trouble shoot their ethylene plant, understand key variables when formulating a design basis for an ethylene cracker project.

# Programme

## DAY 1

1. Cracker in Hydrocarbon Chain
2. Pyrolysis Chemistry
3. Cracker Furnaces Part 1
4. Cracker Furnaces Part 2
5. New Technology & State of the Art
6. Recovery Train General

## DAY 2

7. Recovery Train Pyfrac
8. Recovery Train Compression
9. Recovery Train Contaminants removal
10. Recovery Train Dirers
11. Recovery Train Cold Box
12. Recovery Train H2 processing
13. Recovery Train Refrigeration

## DAY 3

14. Recovery train fractionation  
Recovery Train
15. Hydrogenation
16. Recovery Train Fouling
17. Safety Events
18. Direct Quench

## DAY 2

19. Contaminants & Hydrates
20. Auxiliary Systems
21. Coke - Decoking
22. Speciality Items - Cold Box
23. Economics of Production

## Why select Petrogenium.?

The above support will be provided by principal consultants with 30+ years world-class experience in the technology and hands-on know-how from operation of refinery units.

## Contact Petrogenium.:

Email: [training@petrogenium.com](mailto:training@petrogenium.com)

Website: <https://www.petrogenium.com/training/>

***Because Experience Matters***