

# CRACKING FURNACES COURSE

November 6-8, 2023

In-person: Sugar Land, TX



**Course content covered over 3 days:** provides comprehensive coverage of ethylene plant cracking furnaces with special emphasis on process operation, control, and troubleshooting. The course provides an excellent opportunity to develop a working knowledge that can promote efficient, reliable, and trouble-free operation and a complete understanding of the process.

**Easy to follow** for those new to the industry and serves as a comprehensive refresher and update for experienced professionals involved in ethylene furnaces, manufacturing, and businesses. The course offered is practical and down-to-earth and for a wide range of job functions.

The course material, layout, and coverage are based on the instructor's decades of experience.

## Benefits of Course

- ✓ Understanding Cracking Process Technology
- ✓ Gain Insights into the Overall Performance, Cracking Yields
- ✓ Understanding Key Components and Performance Parameters
- ✓ Learn about Optimum Process Operation, Monitoring and Control
- ✓ Understanding Furnace Safety
- ✓ Help Achieve Reliable, Safe & Trouble-free Operation

## Who Should Attend

- ✓ Furnace/process Engineers
- ✓ Operation Engineers
- ✓ Technical Services
- ✓ Production Supervisors, Engineers
- ✓ Mechanical Engineers
- ✓ Process Control
- ✓ Analysts
- ✓ Optimization engineers

# CRACKING FURNACES COURSE

**November 6-8, 2023**

**In-person: Sugar Land, TX**



**Receive expert content:** You will receive a digital pdf of course material that will serve as a reference for your future use.

The course is presented in an engaging and participative format.

**Registration and breakfast** start at 7:15 AM on Day One. The course will run for three days, starting daily at 8 AM. Breakfast, coffee breaks, and lunch are included each day.

---

## *Course Outline*

*Overview – Ethylene Manufacturing*

*Performance & Economic – Feedstock, Yields, Economics*

*Technology – Cracking Fundamentals*

*Key Furnace Components– Design, operation, process & environmental Performance*

*Operation & Process Control – Operating parameters and interdependencies, process control and handles for optimizing operation for improved performance and economics, decoke/start-up/shutdown/emergency operations*

*Process Safety – key aspects*

*Furnace Revamps & Troubleshooting*

---

## TRAINING

### INHOUSE TRAINING

We offer a variety of onsite courses designed together with our clients to meet your specific needs. We can tailor our courses to a specific technology or purpose for your site.

### COURSE INSTRUCTOR

The course is conducted by Sanjeev Kapur. He is a leading independent industry expert in ethylene and cracking furnace technologies. His expertise covers a vast background and hands-on experience in technology know-how (all major licensors), design, engineering, operation, troubleshooting, and technical risk evaluation/mitigation. He has contributed a chapter on Ethylene Technology in McGraw Hill's "Handbook of Petrochemical Production Processes" and a section on Ethylene and Propylene for ENI Encyclopedia of Hydrocarbons. He has presented and published over 40 technical articles.

# CRACKING FURNACES COURSE

**November 6-8, 2023**

**In-person: Sugar Land, TX**



## INFORMATION

### COURSE LOCATION

**Hilton Garden Inn**

722 Bonaventure Way, Sugar Land, TX 77479

Phone: +1 281-491-7777

### FEES & DISCOUNTS

US\$ 2,745 inclusive of training materials and in-person engaging experience.

Register before October 2 and get a discount of US\$ 175 (Net of \$2,570 pp).

For 3 or more registrants from the same company, a discount of US\$ 175 per participant in addition to an early bird discount. (Net of \$2,395 pp before October 2 & \$2,570 pp after Oct. 2)

### TERMS & CONDITIONS

All our training courses are subject to final confirmation about 3 weeks prior to the date. Full payment is required prior to the event. Cancellations made on or before Oct. 15 will be refunded in full less an admin fee of US\$ 350. Cancellations made after Oct. 15, 2023 cannot be refunded or credited. Substitutions are welcome anytime.

### HOW TO REGISTER

Visit our website: You can pay using your credit card. Click the "Register Now" button.

<http://www.apexpetroconsultants.com/ethylene-training.html>

Send us an email: For invoicing your company or P.O., send registration information (see next page)

[Training@apexpetroconsultants.com](mailto:Training@apexpetroconsultants.com)

Call us:

+1 713 632 5012; or +1 281 451 8069

### Organized and Presented by:

**APEX PETROCONSULTANTS**

**414 MCALLISTER AVENUE, SUGAR LAND, TX 77479, USA**

[www.apexpetroconsultants.com](http://www.apexpetroconsultants.com)

# CRACKING FURNACES COURSE

**November 6-8, 2023**

**In-person: Sugar Land, TX**



## REGISTRATION FORM – FOR INVOICING OR P.O.

**Please type or use ink. Print information as you would like it on your record.**

Last Name, \_\_\_\_\_ First Name \_\_\_\_\_

Middle Initial \_\_\_\_\_

Job Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

City \_\_\_\_\_

State/ Zip \_\_\_\_\_

Phone \_\_\_\_\_

email \_\_\_\_\_

# and names of attendees from your company \_\_\_\_\_

\_\_\_\_\_

Bill my company

P.O. or Check is enclosed (Payable to Apex PetroConsultants)

For billing your company, please provide following billing information:

Contact Persons Full Name \_\_\_\_\_

Job Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

City \_\_\_\_\_

State/ Zip \_\_\_\_\_

Phone \_\_\_\_\_

email \_\_\_\_\_