

VIRTUAL TRAINING

Delayed Coker Fundamentals, Coker Operations, and Reliability

This two day course will cover an introduction to the process, equipment, and operation of a delayed coker unit (DCU) in the refinery.

The coker is unique in the refinery world with a batch process and specialized solids removal (decoking) and handling equipment. All the unique aspects of the DCU will be covered with an in-depth review of the coker structure (coker island) operation and equipment. Special focus will be given to operator-based perspective on unit equipment and usage. Common safety and reliability concerns will be discussed at length.

Who should attend

Refinery staff new (less than 1 year) to delayed coking. This includes operators, engineers, inspectors, or maintenance staff. Everyone associated with the unit should have a fundamental understanding of the unit and this course delivers just that.

Vendor staff who supply services or equipment to delayed coker units. Get to know how your unit fits into the overall scheme.

Project staff working on design projects. Designing a pump or tower takes on new meaning when you understand the process from an operations perspective.

Prerequisites Familiarity with delayed cokers.

You will learn

History of the DCU, the second oldest in refining.

Explore the process flow and semi-batch sequence.

Introduction to the specific design and operation of specialized DCU equipment

- Steam purged valves
- Decoking equipment
- Heater fouling and decoking
- Fractionator (distillation) dynamics with batch operation
- Blowdown system

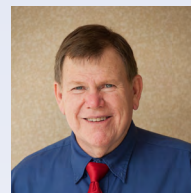
A special focus on real experiences in safety and reliability:

- Operator ownership of safety
- Common reliability issues with DCU equipment
- A review of major safety incidents over the past 20 years

May 10 - 11, 2021

Training 8am-5pm CT (1300-2200 GMT) both days. Includes a complimentary all-access pass to the full week of the RefComm 2021 Virtual Technical Conference.

Gary Pitman



Gary Pitman is the Delayed Coking SME for Coking.com. His roots run deep as an operator, maintenance technician and turnaround planner.

Then he commissioned the Hovensa Coker in the Virgin Islands doing training then supervising their maintenance staff of 185. He has performed Coker Site Safety Audits in Asia, Europe, South America and North America and served as the subject matter expert for new product development for major manufacturers of delayed coking equipment. With his vast experience working with coker people close to the iron, "Mr. Coking.com" is in high demand for consulting on unheading, drilling, operations, design review, training and commissioning with his start-up team.

Ryan Schoel



Ryan has more than 20 years' experience in the refining industry, working his way up from Operator to Area Manager. He has worked extensively

in the coker and sulfur units, focusing on training and reliability. While working on a commissioning and start-up of a new coker unit, Ryan supervised operators on emergency & start-up procedures, practiced switch deck procedures and trained operators on coke cutting equipment. As a Senior Consultant at Coking.com, Ryan will be bringing this experience into the field as well as the classroom.

Training Pass

Includes a complimentary all-access pass to the full week of the RefComm virtual event.

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\$900

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Please contact Marlea Stockenberg
marlea@coking.com