Process Plant Optimization, Revamping and Debottlenecking Training

Description

Course Objectives

Upon the successful completion of this course, each participant will be able to:

- Apply systematic techniques in the optimization, revamping and debottlenecking of process plant
- Identify the characteristics, common misconception and scope of optimization and profitability of process plant and analyze the various optimization tools used in process plant
- Illustrate the integration of process simulation in operational analysis and implement the requirements, configuration and guidelines of optimizing the design
- Discuss capacity creep and review and improve the methodology of the cost-effective debottlenecking strategy and action plan
- Employ optimizing process operations and process controls applied in process plant
- Implement systematic techniques of optimizing process plant reliability including root cause failure analysis, logic diagrams and fault trees, materials inventory management and turnaround planning
- Recognize the role and importance of management and enterprise information systems in process plant optimization and acquire knowledge on risk management and optimization
- Employ the process of optimizing offsites operations including its design, storage facilities and inventory management
- Explain the utilities management and rehabilitation including its mechanism
- Determine the various revamping strategies and options and the R&D role in new product development and production capacity enhancement
- Discuss the maintenance, energy, utilities, environmental and safety parameters and analyze economic, planning and project management issues

www.acculearn.co.uk