

# Motor Control Centers – 1.5 Hours

**Description** – This training module is designed to familiarize students from beginner or expert with the details of basic MCC design and retrofitting vintage motor control centers.

## **Learning Objectives:**

Upon completion of this course, the student will be qualified to:

- Understand the why customers buy Motor Control Centers
- Understand MCC Construction
- Know the different wiring classes
- Understand control wiring diagrams
- Recognize manufacturer's models
- Know size factors of vintage MCCs
- Recognize NEMA enclosure designations
- Understand the selection factors

## **Outline**

- Why Motor Control Centers
- MCC Construction
- Bus Options
- Wiring Classes
- Unit Construction
- Unit Types
- Retrofitting MCCs
- Manufacturers and models
- Vintage MCC sizing
- Economics of retrofitting MCCs
- Control Schematics
- Structure Options
- Unit Options
- Selection Factors