

## INDUSTRIAL TOPICS: FUNDAMENTALS – POWER AND GROUNDING OVERVIEW



### COURSE OVERVIEW

**Course Number:** INDT-0008-AT

**Course Duration:** 1.5 Days

**Prerequisite Course (s):** None

This course provides participants the ability to perform the following tasks as applicable to power and grounding:

- Identify AC power distribution and AC quality
- Identify grounding principles and common ground types
- Plan Honeywell controller grounding
- Installation of cables
- Understand grounding requirements for Honeywell DCS and Safety Systems

### COURSE DELIVERY OPTIONS

- Asynchronous Training (AT)
  - Self-paced with 10 days to complete

### COURSE OBJECTIVES

- Introduction to power and grounding
- AC input power guidelines
- AC power distribution and AC quality
- Power quality
- Over-voltage protection
- Floating power system
- AC power failure considerations
- Grounding principals
- Ground rod planning and installation
- Common ground types
- Network grounding considerations
- Honeywell controller grounding
- Grounding for offshore and floating ships
- Communication cables
- Cables installation
- Grounding requirements in different environment
- Grounding tips and best practices
- Overview of site audit for grounding