

Utility Contracts IDS for Custom Engineering and Instrumentation Technician Training Program



INDUSTRIAL DESIGN SOLUTIONS

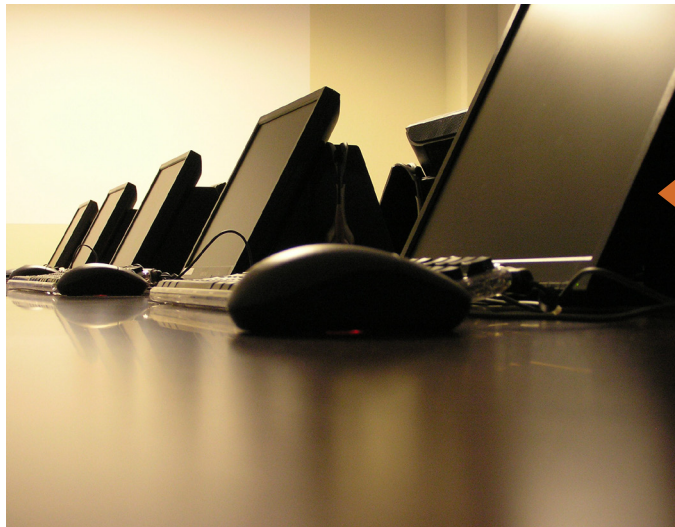
In 2016, systems integrator Industrial Design Solutions was asked to build a customized Electrician & Instrumentation (E&I) technician control system training course.

BACKGROUND

Many utilities are experiencing employee turnover as aging technicians begin to retire, replaced with new and inexperienced recruits. These electricians need to become familiar with the inner workings of the DCS platform they will be supporting, to effectively troubleshoot and repair the instrumentation they support.

SOLUTION

IDS worked closely with the utility to develop a comprehensive maintenance training manual that walks technicians through every relevant aspect of the DCS, and then IDS performed on-site training using the plant's control system running in a simulation environment.



SAMPLE TOPICS

- Historian tags and trend building
- Network overview & layout
- DCS cabinet details & I/O types
- DCS system overview
- Database & drawings
- Understanding system displays
- Building trends & group displays
- Troubleshooting and navigating the DCS control building environment
- Troubleshooting common DCS & field issues

THE BOTTOM LINE

No matter what type of technician, engineer, or electrician, comprehensive DCS training is critical for improving employee productivity, reducing mistakes, and building an effective control system maintenance program.

SOLUTION BENEFITS

- Comprehensive technician and electrician training
- Plant-specific, highly customized training manual
- Detailed training with effective troubleshooting methods

SOLUTION ROI

- Reduced troubleshooting time for DCS issues
- Less equipment down-time
- Improved technician effectiveness

SOLUTION DELIVERABLES

- Comprehensive training manual, with step-by-step processes including screenshots and drawings
- Detailed on-site training class with a knowledgeable instructor familiar with plant details

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Project Duration: 3-6 months