

## Proficy HMI/SCADA iFIX Fundamentals

### Course Description

The *Proficy iFIX Fundamentals* course is designed to provide a good working knowledge of iFIX. All major features are covered, from project configuration to data acquisition and visualization. Valuable hands-on lab exercises are provided to guide students through the building and modification of an HMI/SCADA application from top to bottom.



### Who Should Attend?

This course is designed for process, automation or instrumentation engineers and system integrators who will be developing, configuring and using applications on an iFIX system.

### Are There Any Prerequisites?

Participants should have a working knowledge of Windows operating systems. Control system exposure and experience is recommended.

### What Tasks Will Be Taught in This Class?

Upon completion of this Course, the student will be able to:

- Understand communication between iFIX SCADA Servers and iFIX iClient nodes.
- Configure iFIX nodes using the System Configuration Utility.
- Configure I/O Drivers to communicate with iFIX.
- Create and modify standard Process Database tags.
- Create graphic screens (pictures) using a wide variety of object types and animations.
- Design and build a picture navigation strategy.
- Create basic scripts using Visual Basic for Applications (VBA).
- Configure alarming and create screens to monitor and acknowledge alarms.
- Use trending to monitor both real-time and historical data.
- Design and build a system-wide security strategy.
- Use a variety of iFIX Utilities and Operating System administrative options to troubleshoot project or system process faults.

### Course Length

4 days

### Suggested Class Size

8 students

### Class Hours

9:00 am - 5:00 pm, daily



# Ifix Fundamentals Manual

**Jin-Ying Zhang**



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