

# TOTAL PLANT BATCH IMPLEMENTATION



## Course Overview

**Course number: 3465**

**Course length: 5 days**

This 5-day course provides training on Honeywell's **TotalPlant** Batch (TPB) solution. It begins with an introduction to how **TotalPlant** Batch simplifies automated batch processes by implementing Modular Batch Automation, according to SP88 guidelines. The course provides training on how to use **TotalPlant** Batch View and TPB ActiveX controls to monitor and control the making of a batch. It covers the use of the TPB Recipe Editor, providing a simple way to configure and organize all of the components needed to build a recipe. The course also acquaints the students with the features and capabilities of the TPB Equipment Editor for configuring the batch process equipment. It teaches how to use the TPB Report Editor and TPB Archiver components for batch event reporting and implementation of the TPB Server Application Interface to provide communication between the TPB Server and an end-user application is explained.

The course addresses the use of TPB PC-Based Phases as an option in situations where processor time and memory are a concern. It concludes with an overview of **TotalPlant** Batch system administration, including TPB Security, using the TPB Service Manager, the TPB Simulator, and more.

## Course Delivery Options

- In-Center Instructor-Led Training
- On-Site Instructor-Led Training

## Who Should Take This Course?

### EXPERION PKS System Implementers

Experion System Engineering and configuration tasks can impact the following job roles. Other job roles performing these tasks could also participate.

- **Experion System or Application Engineer** responsible for configuring the controller, adding to or changing the controller configuration.

## Prerequisite/Skill Requirements

### Prerequisite Course(s)

- Working knowledge of process control and control room operations.

- Working knowledge of site formulas and formula management.

### Required Skills and/or Experience

- None

### Desirable Skills and/or Experience

- Basic Batch process knowledge.
- Knowledge of S88.01, the standard for batch control models and terminology developed by the Standards and Practices Committee 88 (SP88) of the Instrument Society of America.
- Knowledge of the Modular Batch Automation methodology, which defines the batch, control models used by S88.01.
- Knowledge of the International Electrotechnical Commission (IEC) 1131-3 Specification that standardizes sequential function chart procedures and symbols.

## Course Topics

### You will learn how to....

- Introduction to TotalPlant Batch
- Purpose and understanding of SP88
- TotalPlant Batch System Architecture
- Hardware and software requirements of TotalPlant Batch
- Building of recipes using Sequential Function Charts (SFCs) to construct
  - Operations
  - Unit procedures
  - Procedures
- Applying the Equipment Editor to build an area model
- Operate the TotalPlant Batch View screens

## Additional Training

To increase your knowledge and skills, there are additional courses available from Automation College.

**For more information and registration, visit**

[www.automationcollege.com](http://www.automationcollege.com).