

FLO-Master Seminars

2014 Training Class Registration

The FLO-Master Seminars focus on the skills needed to effectively utilize PIPE-FLO Professional fluid flow analysis software. Our emphasis is on demonstrating a step-by-step approach that will enable you to design, analyze, and troubleshoot fluid piping systems. Each attendee has use of a computer to gain hands-on experience in using PIPE-FLO to model a variety of typical piping system.

TRAINING OUTLINE

DAY 1 – BASIC TRAINING

PIPE-FLO Introduction

- Course Objectives
- PIPE-FLO Introduction
- Program Interface
- System Devices

Building a Model

- Initiating a System
- Fluid Zones
- Pipe Specifications
- Draw the System
- Enter Design Data
- Improve Presentation Value

Calculations

- Calculate the Model
- Evaluate Results
- Using Graphs
- Using Reports

Validation & Operating Scenarios

- Validate Model
- Creating / Copying Lineups
- Evaluate Minimum Flow Recirculation Orifice
- Evaluate Varying Operating & Equipment Conditions
- Failure Analysis
- Changing Fluid Properties

System Modifications

- Duplex Strainer Tie-In
- Resize Pipes
- Resize Strainer
- Resize Pump
- Size Control Valve
- Dedicated Pump Option
- Pump Selection
- Size Control Valve

DAY 2 – ADVANCED TRAINING

Using Datalink

- Create ODBC Database
- Query Database from Excel
- Use Database to Calculate Pipe Weight
- Install Datalink DLQ Add-In
- Use Datalink to Calculate Operating Costs

Engineering Data Tables

- Downloadable Data Tables
- Table Manager
- Customizing Pipe Tables
- Customizing Valve and Fitting Tables
- Fluid Tables
- Custom Pipe Specifications

High Point with Siphon Effect

- Modify System
- Evaluate Messages
- Install Control Valve at Tank
- Install BPV at Tank
- Install Balancing Orifice at Tank

Variable Speed Pump System

- Primary / Secondary Systems
- Expanding a System
- Balancing After an Expansion
- Pump Reconfiguration
- Pipeline Reconfiguration

Compressible Gas System

- Limits of Darcy-Weisbach
- Review System & Lineups
- Evaluate Messages
- Compressibility Check Sheet
- Update Model to Pass Compressibility Check
- SCFM vs. ACFM
- Choked Flow in Control Valve

Class Registration

To register: call (800) 786-8545 or email sales@eng-software.com

Course fee: The registration fee includes the two-day seminar, course workbook, and lunch.

Cancellation Policy: If notification is received at least two weeks prior to the start of the course, credit may be granted to a later seminar date. No refunds are available for cancellations made less than 30 days prior to the start of the scheduled course. If for any reason we are required to cancel a class, our liability is limited to the return of the registration fee.

Guarantee: Engineered Software offers the highest quality training available. If you are dissatisfied for any reason, notify the instructor prior to the end of the first day and you may withdraw and receive a 100% tuition refund.

Class size: Limited to 12

Continuing Education Unit (CEU): Completion of the FLO-Master seminar is credited as 1.5 CEU's.

Course Fee: \$1095 per person, \$895 for current TechNet subscribers.

Courses are offered on the following schedule:

Boston , MA – October 22-23, 2014
Seattle, WA – November 5-6, 2014

New Orleans, LA – December 3-4, 2014

Method of Payment (Check one):

Visa MC Amex Purchase Order* Check (Payable to Engineered Software)

Card Number: _____ Exp. Date: _____ Security Code: _____

Name On Card: _____

Signature: _____

Attendee Information

Requested Class Date:

- Chicago, IL – September 24-25, 2014
- Boston , MA – October 22-23, 2014
- Seattle, WA – October 5-6, 2014
- New Orleans, LA – December 3-4, 2014

Name: _____ Email: _____

Company: _____ Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____ PE #: _____

Diet Restrictions: _____

Please **Mail** this form with payment to:
Engineered Software, Inc.
4529 Intelco Loop SE
Lacey, WA 98503-5941

For your convenience you may also:
Fax to: (360) 412-0672
E-mail to: sales@eng-software.com
Phone Registration is available from
7 A.M. to 3:30 P.M. PT: (800) 786-8545

* Invoice to be paid prior to beginning of class