



# INDUSTRIAL TRAINING



Our hands-on labs experience & quality of instructors allow us to meet the training needs of the manufacturing industry. The goal is simple, to increase effectiveness of your employees.

## Employees with better skills can provide your company with a competitive edge by:

- ▶ Increasing plant production rates
- ▶ Delivering reduced downtime
- ▶ Decreasing maintenance costs
- ▶ Engaging & showing loyalty

*What attendees are saying*

### HANDS-ON! Norfolk Southern

“The mixture of lecture & hands-on lab instruction combined with real world application & experience stories made it easy to understand & be applied to my job.”

### PRACTICAL WSACC

“I liked the way the class started with the basics & moved on to the application of difficult components in the lab.”

### INSTRUCTOR EXPERIENCE Hydraulic System Design Student

“The instructor’s wealth of knowledge & detailed examples provided easy to access information on valving & equipment.”

Livingston & Haven is an innovative solutions provider & strives to be an essential partner in the successful future of U.S. Manufacturing. **We are the experts in hydraulics & fluid power systems.**

**REGISTER:**

**[www.livhaven.com/training](http://www.livhaven.com/training) | 844.288.2367**

PRINCIPLES OF

## INDUSTRIAL HYDRAULICS

5  
DAYS

The go-to introduction for hydraulic competence.

From Pascal's Law through schematics & hand-on exercises to 10 fundamental circuits used at plants.

PRINCIPLES OF

## PNEUMATICS

4  
DAYS

Safety, components, schematics, systems, & maintenance in a busy hands-on course.

PRINCIPLES OF

## HYDRAULIC SYSTEM MAINTENANCE

5  
DAYS

Second-level training seminar for maintenance personnel who already have an understanding of hydraulic principles.

Hands-on work to improve efficiency, reliability, maintenance, troubleshooting, & testing.

\* Prerequisite

PRINCIPLES OF

## ELECTRICITY

4  
DAYS

Theory, practical knowledge, & structured hands-on lab exercises with an industrial electrical focus.

From AC & DC theory to schematics. Measurement & hands-on problems with circuits & introduction to PLCs.

## MOTORS & CONTROLS

3  
DAYS

Understand motor types & their controls as used in industrial systems including maintenance considerations & troubleshooting.

## HYDRAULIC SPECIALIST REVIEW & CERTIFICATION

3  
DAYS

International Fluid Power Society (IFPS) hydraulic specialists are recognized throughout the industry.

2.5 day review followed by the certification test.

## OSHA

2  
DAYS

Contact us to be included in our 10-hour course focusing on recognition, avoidance, & prevention of safety & health hazards in the workplace.

## UNDERSTANDING PROPORTIONAL VALVES

5  
DAYS

Learn the function & operation of electro-proportional hydraulic valves within a system.

Recommended for electrical & mechanical technicians & engineers.

## ON-SITE TRAINING

CALL US  
FOR DETAILS

We will bring customized fluid power & lubrication training to your company to increase general understanding using your equipment & schematics.

On-site training is individually tailored so your maintenance personnel will understand how your equipment works & how it needs to be maintained.

## HYDRAULIC SYSTEM DESIGN

5  
DAYS

An advanced training seminar to understand system design & optimization.

Optimal design reduces equipment cost, energy, maintenance effort, & production outage.

\* Prerequisite



— CONTACT US TODAY —