



# Hydrastore

## Professional Training Partnership “meeting your training needs”

**Hydrastore Ltd** (members of the BFPDA) are working closely with the National Fluid Power Centre to inform all their customers about the importance of attending regular Training programmes and the associated benefits

### Message from John R Savage Director NFPC and Chairman BFPDA Education and Training Committee

The skills and knowledge of our workforce are **vital** to the competitiveness and the sustainability of our organisations. Investing in people NOW is an investment for both the present and the future. With technology advancing at such a rate, involving the electronic interface, getting the right type of training is **vital** to your future success

Keeping up to date and regularly attending training courses is the **vital** ingredient that guarantees this success.

#### The FREQUENTLY ASKED QUESTIONS are:

- WHICH COURSE SHOULD I ATTEND?
- WHICH COURSE WILL MOST BENEFIT MY NEEDS AND THOSE OF MY EMPLOYER?
- WILL THE COURSE BE TOO THEORETICAL OR WILL I GAIN HANDS ON EXPERIENCE?
- IS THE COURSE COST EFFECTIVE ALL-ROUND FOR MY EMPLOYER?
- CAN I PROGRESS IN STAGES?

The National Fluid Power Centre has the best equipped practical facility in Europe and is geared to help candidates learn through practical hands-on activities involving real world technology at its best.

The courses are presented in stages and are all heavily biased towards developing of occupational skills and competence.

The staff at the NFPC have a vast industrial experience and a long standing record of high achievements in the field of education and training.

**OUR EXPERIENCE and INDUSTRY SUPPORT is your guarantee.**  
**Our courses are designed to meet your needs with 100% effectiveness.**



**REAL HANDS ON TRAINING**

### TO RESERVE YOUR COURSE PLACES CONTACT

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# Hydrastore

## Training / Qualification Profile

BFPA/ CETOP Level 3  
Industry Standard Qualification  
Mobile OR Industrial Hydraulics  
16 Months (Distance Learning and  
Centre Based Modules)

This operates over a 16 month period and involves the attendance to a series of 1 day modules run at the NFPC and a distance learning programme of assignments. Assessment is via a written examination prepared by the BFPA and practical tasks on a "one to one" basis at the NFPC.

This is a highly sought after qualification for those involved in the Maintenance and Management of fluid power systems and is Recognised by the National Fluid Power Trade Associations Within the EU as an industry standard

**BEYOND this stage formal qualifications are an option**

4 day Stage 2 Industrial Hydraulics

This course involves 50% lectures and 50% practical hands on exercises.

**Subjects Covered:**

- Pump and associated Controls
- Pressure, Flow and Direction Control ( advanced)
- Load Holding and Motion Control
- Motors and Performance
- Installation, Commissioning and Maintenance Techniques
- Health and Performance Monitoring
- Logical Troubleshooting Techniques
- Contamination Management
- Risk Management

4 day Stage 2 Mobile Hydraulics

This course involves 50% lectures and 50% practical hands on exercises.

**Subjects Covered:**

- Compensated Flow Control
- Mobile Valve – Pre and Post Compensation
- Pump Control Systems – load sensing and torque control
- Closed Hydrostatic Transmissions
- Steering and Braking Systems
- Engine Performance plus System Performance Monitoring
- Contamination Management
- Logical Troubleshooting Techniques
- Risk Management

OR

3 day Stage 1 Hydraulics

This course provides an excellent foundation consisting of two days and one day practical hands on exercises.

**Subjects Covered:**

- Fundamental Principles
- Hydraulic Symbols
- Pressure, Flow and Direction Control ( function- operation)
- Pump Types and Operation
- Contamination Control and Oil Types
- Introduction to Proportional Control
- Health and Safety Issues

2 day Hydraulic Awareness

This course is ideal for those involved in fluid power systems for the first time or those who see it as an absolute introduction. The course involves one day practical hands on exercises.

**Subjects Covered:**

- Fluid Power Applications
- Basic Circuit Building Blocks
- Terminology
- Component Function
- Introduction to Symbols.
- Importance of Cleanliness
- Dangers Associated with Fluid Power

Recommended Route for those  
Involved in the maintenance and  
management of fluid power systems  
**START HERE.**

**Note - Stage 1 and 2 Electrical/ Electronics  
Is also available on request**