

# **CUSTOMIZED HYDRAULIC TRAINING FOR THE SHIPPING INDUSTRY**

PRECISION HYDRAULIC ENGINEERS



# ABOUT PHE

- **Established by Industry Experts:** Founded by a professional management team with over 30 years of experience in the hydraulic sector.
- **Specialized Hydraulic Training:** Delivering highly specialized and industry-relevant training programs in hydraulics.
- **Industry-Focused Curriculum:** Tailored course content designed exclusively to meet the evolving needs of the industry.
- **Hands-On Learning Approach:** Blending practical, hands-on training with comprehensive classroom teaching for maximum impact.
- **Proven Track Record:** Successfully trained over **500 engineers**, empowering them with the skills needed for excellence.



# OUR TEAM



Pankaj Srivastava

A Professionally trained hydraulic expert and a first generation entrepreneur with a career span of 30 years starting from L&T and worked as aftersales head for Svedala Industri India Pvt Ltd for Dynapac range of construction equipment. His passion for training led him to setting up a training enterprise in 2010 for creating skilled and capable hydraulic engineers.



Ashwinder Singh

Worked for 26 years across various industries. Experienced in Automotive, Construction Equipment and Consumer Durable service operations. The organizations include JCB India, Honda Cars & others. Training exposure of 12 + years in Two Wheeler, Four Wheeler and Construction Equipment sectors.



Priyansh Srivastava

With a bachelor's degree in mechanical engineering from the Karlsruhe Institute of Technology, Germany, Priyansh Srivastava is the head of operations and partnerships at Precision Hydraulic Engineers. He is pivotal in advancing the company's hydraulic expertise and drives innovation and efficiency in system optimization while ensuring exceptional client relations



Capt. Manoj Kumar

Capt. Manoj Kumar, an ex-Merchant Navy professional and former BP Shipping captain with over 15 years of experience, hails from TS Rajendra's first batch. He now spearheads the growth and expansion of hydraulic services in the shipping industry, utilizing his deep maritime knowledge and strategic leadership to deliver excellence.

# WHY CHOOSE OUR TRAINING?

## CLIENT-CENTRIC APPROACH

Tailored courses to meet  
specific operational needs

## PRACTICAL INSIGHTS

Delivered by industry  
veterans with extensive  
hydraulic experience

## VERSATILE OPTIONS

Blend of theory, 3D  
visualizations, and hands-  
on learning

## EXPERT FACULTY

Choose between 2-day or  
3-day comprehensive  
courses

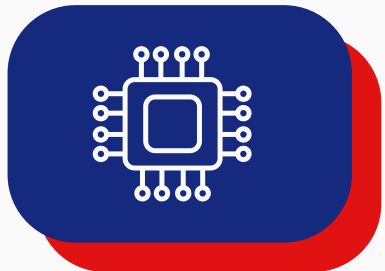


# COURSE STRUCTURE

## 3-DAY COURSE



**Day 1 & 2:**  
**Basics and**  
**Applications of**  
**Hydraulics**



**Day 3:**  
**Client-Specific**  
**Circuit Training**  
**(e.g., winches,**  
**steering gear)**

## 2-DAY COURSE



**Day 1:**  
**Basic Hydraulics**



**Day 2:**  
**Advanced and**  
**Client-Specific**  
**Topics**

## CUSTOMISED COURSE

**We offer fully customized training programs designed specifically for your ship's equipment and operational requirements, ensuring a perfect fit for your unique needs.**

# TOPICS COVERED\*

- 01 Basics of Hydraulics
- 02 Components of Hydraulic Systems
- 03 Hydraulic Hose Selection
- 04 Hydraulic Circuits: Terminology and Symbols

- 05 Open and Closed Circuits
- 06 Variable Hydraulic Pump Controls
- 07 Hydraulic Oil Contamination & Filtration
- 08 Hydraulics in cranes, winches and steering units in ships
- 09 Basic Troubleshooting & Maintenance

\*Content of program will depend on number of days



# APPLICATIONS IN THE SHIPPING INDUSTRY

## Hydraulic Systems for Ships:

- Cranes
- Winches
- Steering Gears

## Customized Learning Modules

- Incorporating client's specific hydraulic circuit diagrams
- Practical troubleshooting using 3D representations





# INNOVATIVE LEARNING TOOLS



## 3D Representations

- Interactive models of hydraulic circuits
- Real-time troubleshooting simulations



## Recorded Lectures

- Creating online training assets for future reference
- Partnership opportunities with other shipping companies





# BENEFITS FOR YOUR TEAM

- Enhanced understanding of hydraulic principles and applications
- Improved troubleshooting and problem-solving skills
- Reduced downtime and maintenance costs
- Tailored training to ensure relevance to daily operations







# BENEFITS FOR COMPANY

- **Reduced Maintenance Costs:** With our expert hydraulic training programs, your team will gain the skills to maintain equipment more effectively, minimizing repair costs over time.
- **Extended Equipment Lifespan:** Proper handling and timely maintenance lead to longer and safer equipment operation, ensuring reliability in your processes.
- **Enhanced Safety Standards:** Skilled operators and technicians contribute to a safer working environment, reducing risks and downtime caused by accidents.
- **Long-Term Cost Savings:** The investment in training pays off by significantly lowering operational costs in the long run, saving more than the initial training expenditure.
- **Increased Operational Efficiency:** With a well-trained workforce, your equipment will operate at peak performance, boosting overall productivity and profitability.







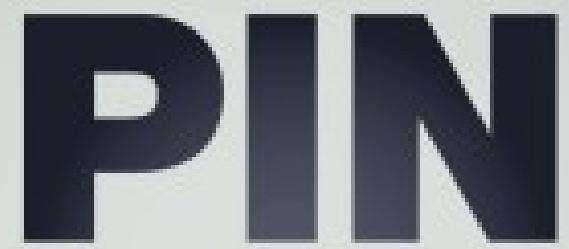
# **COLLABORATION AND CUSTOMIZATION**

## **Partnership Model**

- **Share hydraulic circuits used in your ships**
- **Help us curate the most relevant training module**

## **Post-Training Support**

- **Continued access to recorded lectures and materials**
- **Dedicated support for ongoing hydraulic queries**
- **Regular QnA sessions for troubleshooting and doubt clearing**

The logo for PIN, featuring the letters 'PIN' in a bold, dark blue, sans-serif font. The background is a light gray with a yellow and blue geometric shape at the bottom.

## PLASSER INDIA

Conducted Basic, Intermediate, and Advanced Level Courses for their engineering teams, equipping them with in-depth knowledge and practical expertise in hydraulics.



## DP WORLD UAE REGION

Delivered a comprehensive Customized Training Program on Basics and Advanced Hydraulics, tailored to meet the unique operational needs of the organization.



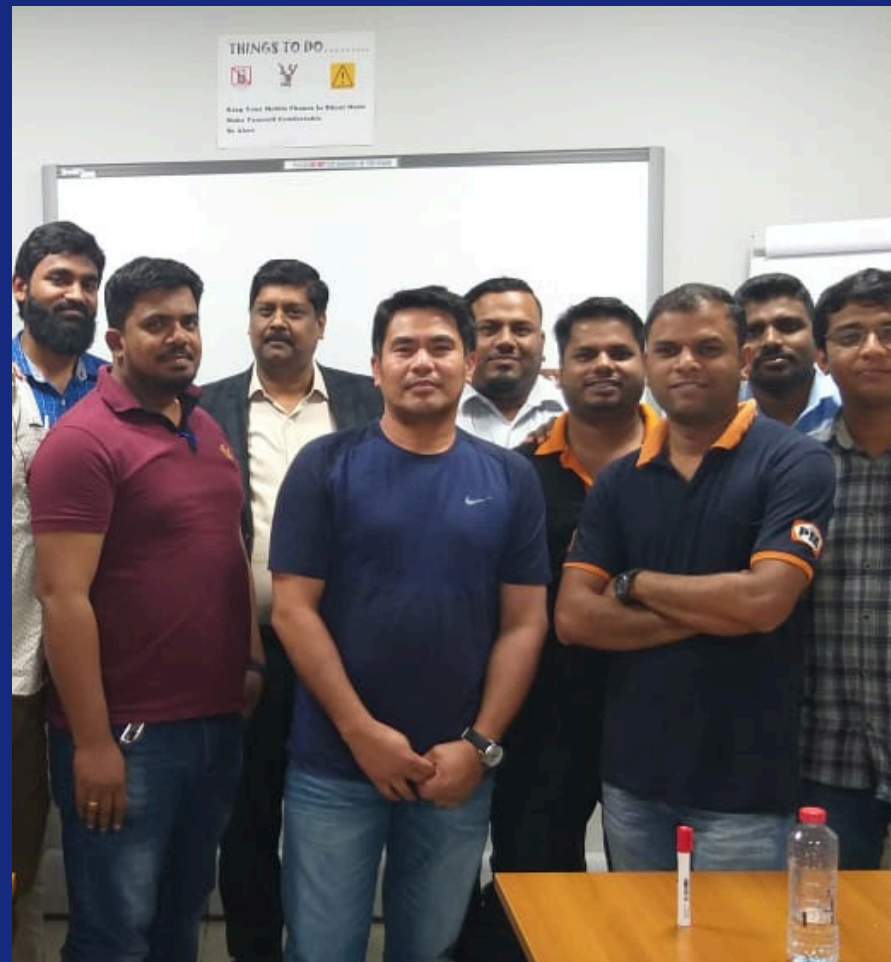
## MECL NAGPUR

Delivered an intensive 15-Day Customized Training Program, focusing on advanced hydraulic concepts and their application in mineral exploration and machinery operations.

# TESTIMONIALS AND SUCCESS STORIES







# PHE TRAININGS







# NEXT STEPS

Contact us to discuss your training needs  
Let's build a custom course for your team's  
growth and operational excellence

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**www.phe.co.in**



# THANK YOU

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WE LOOK FORWARD TO PARTNERING WITH YOU IN  
BUILDING A HYDRAULICALLY PROFICIENT WORKFORCE!



# Resource page

