

MODULES



**PROJECT
CARGO
NETWORK**

Here is the schedule of modules and sessions.

Module 1: Terminology

- Session 1 Introduction
- Session 2 Terminology

Module 2: Dimensions, Weights & Forces

- Session 1 Gravity & Forces
- Session 2 Laws of Newton & Archimedes
- Session 3 Principle of Moment
- Session 4 Wind & WaterForce

Module 3: Heavy Transport

- Session 1 Transporters & Trailers
- Session 2 Principle Working (1)
- Session 3 Principle Working (2)
- Session 4 The Stability Area (Plan View)
- Session 5 3 & 4 Point Suspension
- Session 6 The Equalizing Effect
- Session 7 The Stability Area (Side View)
- Session 8 Pull Type & SPMT Capacities
- Session 9 The Differences Are Getting Smaller
- Session 10 Steering Capabilities
- Session 11 Naming Conventions
- Session 12 The Goose Neck
- Session 13 GroundPressures
- Session 14 Pull Force/TractiveEffort
- Session 15 Hydraulic & Structural Stability (1)
- Session 16 Hydraulic & Structural Stability (2)
- Session 17 Dolly Transport (Turn Tables)
- Session 18 Long Load Vehicles

Module 4: Heavy Lifting

- Session 1 Types Of Cranes
- Session 2 What Is A Crane (Principle Of The Lever)
- Session 3 Principle Of The Hoist
- Session 4 The Load Chart
- Session 5 Types Of Lifts (Keeping The Load Level)
- Session 6 Lifting With 2 Cranes
- Session 7 Tailing Arrangements
- Session 8 The Tailing Frame
- Session 9 Ground Pressures
- Session 10 Load Spreading Options
- Session 11 Rigging Forces (1)
- Session 12 Rigging Forces (2)
- Session 13 Spreader Bars and Lift Beams
- Session 14 A Complex Lift Made Easy
- Session 15 Super Lift Attachments
- Session 16 Stability Of The Load
- Session 17 Erecting Wind Mills
- Session 18 The Lift Plan

Module 5: Jacking & Skidding

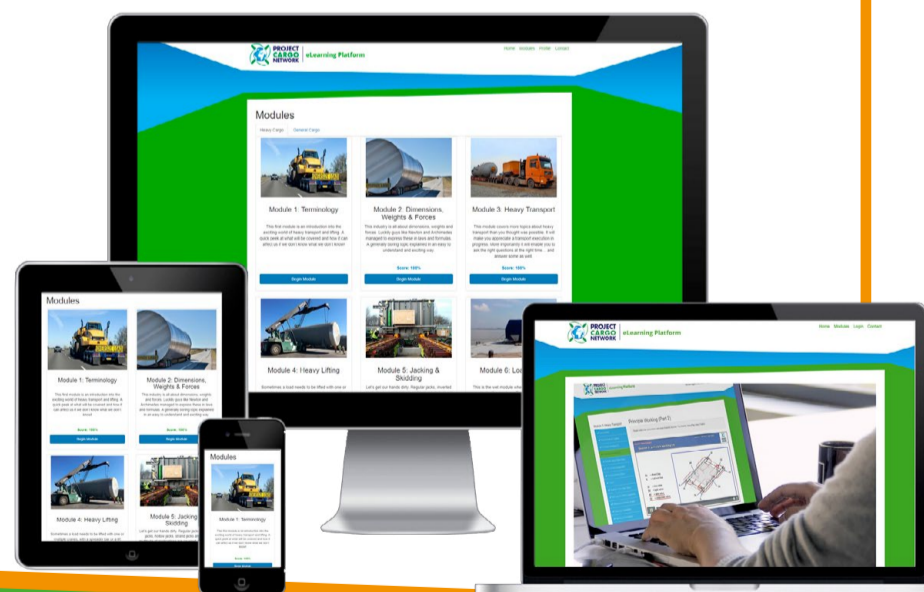
- Session 1 Types Of Jacking Skidding Methods
- Session 2 Jack & Pack
- Session 3 Climbing Jacks
- Session 4 Strand Jacks
- Session 5 Strand Jack Applications
- Session 6 What Is Skidding, Skidding Components
- Session 7 Coefficient Of Friction, Different Materials
- Session 8 Hydraulic Skid Shoe
- Session 9 Hilman Rollers
- Session 10 Hydraulic Gantry (1)
- Session 11 Hydraulic Gantry (2)
- Session 12 Airbags

Module 6: Load Outs

- Session 1 Types of Barges
- Session 2 Background History
- Session 3 Terminology
- Session 4 Barge Stability
- Session 5 Hydrostatic Particulars
- Session 6 Tides
- Session 7 5 Types of Load-Out Operations
- Session 8 Type 1: Free Floating Barge, Tidal Conditions
- Session 9 Type 2: Free Floating Barge, Non-Tidal Conditions
- Session 10 Type 3: Steel Plates, Non-Tidal Conditions
- Session 11 Type 4: Barge Fixed Aground
- Session 12 Type 5: Beach Landing

Advanced Module: Stability

- Session 1 Introduction to Center of Gravity
- Session 2 Stability of Hydraulic Transporters
- Session 3 Stability of Mobile Cranes
- Session 4 Stability of the Load to be Lifted
- Session 5 Stability of Ships and Barges



PCN has made strategic investments in professional training facilitated by an industry expert, coupled with a tailor-made eLearning Platform. Our extensive online course, recognised as a distinguished Finalist in HLPFI's "Training of the Year," has been adopted by companies in over 50 countries. We thrive on innovation, but what truly drives us is the opportunity to provide our customers with valuable benefits that can significantly enhance their business. Looking ahead to 2024, we are delighted to announce the addition of a 5-video Advanced Module on Stability to our training package. The entire program is available at a cost of just **£250 per user**. Upon successful completion, participants will receive an e-certificate via email for quick and easy verification with clients and officials. To proceed with enrolment, kindly reach out to wendy@projectcargonetwork.com.