

Heavy Transport, Lifting & Shipping Seminar/Masterclass

This extensive three day Course is focused on Construction Managers, Warrantee Surveyors, Operators, Project Engineers, Sales Engineers, Freight Forwarders, QHSE Engineers, Project Managers, Cargo Superintendents and anyone who is involved in daily movements and lifting operations of heavy loads

Check the Seminar Schedule on the website: www.heavyliftspecialist.com



Since 2008 more then 2300 persons attended my Seminars/Masterclasses, dealing with "Heavy Transport, Lifting, Shipping & Offshore".

As the pioneer in presenting "Heavy Transport & Lifting" Seminars, now new Chapters have been added, such as "Heavy Lift Shipping" and "Offshore Lifting & Installation Techniques".

"In Company" as well as Public Seminars can be offered. Ask for more details and possible adaptations to suit your needs.

LEARN HOW TO HANDLE HEAVY LIFTS, SAFELY"

STOP COSTLY ACCIDENTS AND IMPROVE YOUR PERFORMANCE

13 Chapters will be presented:

- Mass, Forces, Centre of Gravity
- Heavy Transport with Hydraulic Platform trailers, SPMT's, correct trailer selection for a particular load
- Lifting loads with one, two or more cranes
- Maintenance & Inspection of equipment
- ✓ Skidding & Jacking Techniques
- Set-up of a Project Planning
- ✓ Preparation of a Cost Estimate and conclude a deal
- ▼Load-outs of Extreme Heavy Loads onto barges
- Heavy Lift Shipping
- ☑ Safety & Risk analysis
- Accidents & How to avoid them + a BONUS:









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1.	. General Knowledge and Introduction (15 pages)	
-	Different Lifting- & Transport types	1.2
_	Transport Means	1.3
_	Largest Mobile Cranes available	1.5
	Mammoet Platform Twin Ring Containerized PTC-200 DS SSL	
_	Various cap. Charts and applications of PTC-DS-140 and DS-200 Trailers	1.7
_	Various Heavy Transport / Trailers types	1.9
-	Platform trailers	1.10
_	Different Crane Types. Offshore installation vessels available.	1.11
_	Terms & Abbreviations	1.13
	Some definitions:	.1.14
	Ass and weight, lifting capacity, max. allowable ground load, safety factors,	etc.
_	Former Manager of Openity (00 manage)	
	. Forces, Mass and Center of Gravity (33 pages) Difference between mass (kg) and force (N)	22
_	Newtons three laws of motion	2.3
-	First Law of Newton (Law of Inertia)	2.4
_	Second and Third Law of Newton (Force Changes Motion) Forces acting on a body	2.5
-	Some formulas to calculate forces	2.7
	Calculation of Centrifugal Forces	
_	Standard triangles	2.10
_	Videos illustrating "No control of forces"2.11	+12
_	Composing of forces	2.13 2.14
_	Summary (composing of Forces)	2.15
	Principle of moment (moment equation)	
	Principle of Center of Gravity	
_	Wind force (video shots on accidents due to wind force)	2.19
	Wind Force (Scale of Beaufort) + Video Milwaukee Accident)	
	Wind force	
-	Accelerations and decelerations	2.23
	Friction forces (when sliding)	
	Important sling angles	
	Calculation of weights	
	Estimating of Weight of different loads	
-	Essential information for Transport & Lifting Projects	
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3	. Heavy Transport with Hydraulic Platform trailer (50 pages) Difference between platform trailers and standard flatbed trailers	3.2 3.3 3.3 3.7 3.8 3.9 .10 3.11 3.12 3.13 3.14 3.17 3.18 3.20 3.21 3.22 3.32 3.32 3.32 3.32 3.32 3.32 3.33 3.34 3.35 3.37 3.38 3.39 3.30 3.31 3.31 3.31 3.31 3.32 3.32 3.33 3.34 3.35 3.37 3.37 3.38 3.39 3.30 3.31 3.31 3.31 3.31 3.32 3.32 3.32 3.33 3.34 3.35 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3.37 3
3	. Heavy Transport with Hydraulic Platform trailer (50 pages) Difference between platform trailers and standard flatbed trailers. USA Dolly compared to Platform trailer. Principle of a hydraulic platform trailer. Principle of a hydraulic platform trailer. Principle of a hydraulic platform trailer. 3.4 Capacity / Specification of Conventional platform trailers. Platform Trailer selection for 466 Tons load. Platform Trailer selection for 810 Tons load. Platform Trailer selection for 81f Propelled Modular Transporter (SPMT). Example of 1050 Tons reactor on SPMT's. Platform Trailers (Hydraulic Stability). Stability of Trailers (Hydraulic Stability). Stability: 3- and 4- point suspension system, pro's- and con's. A load placed on a flat bed trailer. Stability of a SPMT 3-point versus 4-point suspension. Symmetrical and A-symmetrical Stability of SPMT's (double wide). Alternative 3-Point stability system of Platform trailers (SPMT's or Conventional. 3. Critical Stability of a single SPMT used in dolly configuration with turntables. Tipped Transport Combination. 3.24- Stability of a Conventional Hydraulic Platform Trailer. Axle loads (A-Symmetrical suspension). Calculation of axle loads. Calculating the average ground pressure (Load spreading mats). 3.29- Realistic ground pressure profile. Load on ground surface or steel deck. 30 Goldhofer Faktor 5 Girder trailer configuration video. Steering principle of platform trailers Conventional and SPMT's. Principle of Steering (SPMT's). Video: Different steering modes of SPMT's. Heavy Duty tractor versus required pulling force. Video: 230 tons Generator roll-on and roll off example. Calculating the required needed pulling force in Tons. Estimation of the pulling force of a HD Tractor.	3.2 3.3 3.3 3.7 3.8 3.9 3.10 3.11 3.13 3.14 3.13 3.14 3.20 3.21 3.22 3.32 3.23 3.23 3.23 3.23 3.23 3.23 3.23 3.24 3.31 3.25 3.32 3.33 3.34 3.35 3.37 3.38 3.39 3.39 3.30 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31
3	. Heavy Transport with Hydraulic Platform trailer (50 pages) Difference between platform trailers and standard flatbed trailers	2.30 3.2 3.3 3.7 3.8 3.10 3.11 3.12 3.3 3.14 3.17 3.3 3.18 3.19 3.21 4.22 3.32 3.25 3.27 3.28 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.33 3.34 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35 3.35
3.	. Heavy Transport with Hydraulic Platform trailer (50 pages) Difference between platform trailers and standard flatbed trailers. USA Dolly compared to Platform trailer. Principle of a hydraulic platform trailer	2.30 3.2 3.3 3.7 3.8 3.10 3.11 3.12 3.3 3.14 3.13 3.14 3.22 3.23 3.25 3.29 3.21 3.22 3.32 3.32 3.32 3.32 3.32 3.32 3.32 3.33 3.34 3.35 3.37 3.38 3.39 3.39 3.30 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31 3.31
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PROGRAM for

Three Day Seminar: "Heavy Lifting, Transport & Shipping"

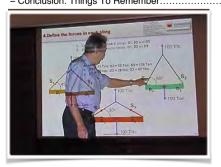
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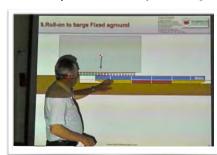
13. BONUS CHAPTER: The Do's & Dont's in Lifting (30 Slides)

NOTE: This lecture schedule and items presented are subject to changes

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- **FPSO Builders**
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- Petrochemical Industry/Refineries
- Rigging & Transport Supervisors
- Lift Directors, Banks men

Some Testimonials:

- Facilitator is a highly experienced engineer and excellent on the subject matter. An excellent program, if targeted at participants with suitable background
- It was a great experience. Clearly brought about how even in our own homes, we do things wrongly without accessing the risk. It has given me different perspective to working on project/heavy lift cargo. The Presenter indeed is a specialist with a very broad and wide knowledge in the Industry
- Just right in time. You may consider to present this Seminar in 3 days
- As engineer the part about lifting stability was most interesting after all a great Seminar!!
- I love to learn, this learning in two days was great, lot of information, well delivered in a very limited time. Feel confident in practical application, Thank you!!

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