

GWO training provider day November 13, 2014

Topic; Module “Manual Handling”

Global Wind Organisation

Non profit organization of international Wind Turbines owners and manufactures.

Why did we pick “manual handling”?

Factual industry statistics;

- Number 3 for industry

Risk assessment;

- *Working in cramped locations*
- *Spare parts are heavy*
- *Internal crane cannot operate in the entire WTG*
- *Lack of access to the WTG (road, weather, offshore)*



Aims and Objectives/Timetetable

- BST Manual Handling Module – 4 hours
- BST Manual Handling Module – 4 hours Refresher



Aims and objectives - basic

- (1) The Delegates are able to demonstrate understanding of the importance of carrying out work duties in a safe and sound manner in accordance with the legislative requirements of their geographic work location
- (2) The Delegates are able to identify aspects of their job tasks that could increase their risk of developing muscular/ skeletal injuries
- (3) The Delegates are able to demonstrate understanding of safe practices of Manual Handling, including the correct handling of equipment
- (4) The Delegates are able to identify signs and symptoms of injuries related to poor Manual Handling techniques and have knowledge of reporting methods
- (5) The Delegates are able to demonstrate a problem solving approach to Manual Handling in a wind turbine environment
- (6) The Delegates are able to demonstrate Manual Handling risk reduction techniques

BST Manual Handling Module Time Table

Lesson		Element		Approximate Duration
1	Introduction	1.1	Safety instructions and emergency procedures	
		1.2	Facilities	
		1.3	Introduction	
		1.4	Scope and main learning objectives	
		1.5	On-going assessments	
		1.6	Motivation	
2	Legislation	2.1	Global legislation	
		2.2	National legislation	
		TOTAL		
3	Risks and hazards	3.1	Risk and hazards in the wind turbine industry	
		TOTAL		
4	Spinal anatomy and posture	4.1	Muscular skeletal injuries	
		4.2	Spinal anatomy and posture	
		4.3	Shoulder anatomy	
		4.4	Symptom awareness	
		4.5	Reporting methods	
5	Planning lifts	5.1	T.I.L.E. principle	
		TOTAL		
6	Risk control and lifting techniques	6.1	Further Control Measures	
		6.2	Safe lifting techniques	
		TOTAL		
7	Behavioural safety	7.1	Consequences of incorrect Manual Handling	
		7.2	Causes of injuries	
		TOTAL		
8	Scenario-based training	8.1	Practise in safe lifting technique	
		TOTAL		
9	Evaluation	9.1	Summary	
		9.2	Evaluation	
		9.3	Certificates	
		TOTAL		
GRAND TOTAL				210 min.

Your feedback is welcome

- How
 - Short feedback from GWO on the customer perception
 - Your feedback on specific area that needs clarification or changes required
- Next steps
 - We will gather your feedback and enter this as updates if required



Aims and objectives - refresher

- (1) Delegates are able to demonstrate a problem solving approach to Manual Handling in wind turbine environments
- (2) Delegates are able to demonstrate Manual Handling risk reduction techniques
- (3) Delegates are able to demonstrate understanding of safe practices for Manual Handling, including the correct handling of equipment
- (4) Delegates are able to identify signs and symptoms of injuries related to poor Manual Handling techniques and possess knowledge of reporting methods
- (5) Delegates are able to identify aspects of their job tasks that could increase a worker's risk of developing muscular/ skeletal injuries

BST Manual Handling Module Time Table - refresher

Lesson		Element		Approximate Duration	
1	Introduction	1.1	Safety instructions and emergency procedures		
		1.2	Facilities		
		1.3	Introduction		
		1.4	Scope and main objectives		
		1.5	On-going assessments (Control Measures)		
		1.6	Motivation		
					TOTAL
2	Legislation	2.1	Global legislation		
		2.2	National legislation		
					TOTAL
3	Risks and hazards	3.1	Risk and hazards in the wind turbine industry		
					TOTAL
4	Behavioural safety	4.1	Consequences of incorrect Manual Handling		
		4.2	Causes of injuries		
					TOTAL
5	Spinal anatomy and posture	5.1	Muscular and skeletal injuries		
		5.2	Spinal anatomy and posture		
		5.3	Shoulder anatomy		
		5.4	Symptom awareness		
		5.5	Reporting methods		
					TOTAL
6	Planning lifts	6.1	T.I.L.E. principle		
					TOTAL
7	Scenario-based training	7.1	Practise in safe lifting techniques		
					TOTAL
8	Evaluation	8.1	Summary		
		8.2	Evaluation		
		8.3	Certificates		
					TOTAL
				GRAND TOTAL	215 min.

Your feedback is welcome

- How
 - Short feedback from GWO on the customer perception
 - Your feedback on specific area that needs clarification or changes required
- Next steps
 - We will gather your feedback and enter this as updates if required



Thank you

Your feedback is
highly appreciated

