



# Engineering Safety in Lorry Crane Operations Workshop

## Synopsis

Lorry cranes are one of the most versatile lifting equipment in the world. Not only are they able to carry out lifting activities, but can be fitted with more than 50 different types of attachments for different loads. In Singapore alone, there are close to 300 different types of lorry cranes across different models. 2016 saw one of the highest number of lorry crane accidents in recent times. As lorry cranes become higher in capacity and the risk that operators take are increasing, it is good to step forward and take a look at how lorry crane operational safety can be “Engineered” An interactive workshop which will showcase recent accident case studies and look at a lorry crane operator’s role in a different perspective. Get a hands-on experience as well on how it feels like to be one!

## Objectives

At the end of this workshop, participants will be able to:

- Understand the legal requirements of each lifting personnel in lifting operation
- Understand the requirements by Land Transport Authority(LTA) on use of lorry cranes
- Learn about safety precautions in lorry crane operation (From planning to setup to actual lifting)
- Review and able to describe safety negligence in recent lorry crane accidents
- Learn about advantages in advanced lorry crane safety technology
- Interpret load chart for lorry cranes

## Who should attend

WSH Professionals, Managers, Advisors, Engineers or anyone who is interested in this topic

## Trainer

Mr Hans Chan has been in Wong Fong Engineering since 2014 as an Assistant Service Manager. He has been working closely with Wong Fong’s partner, Palfinger, during his tenure at the service department. Hans has also worked with the Ministry of Manpower (MOM) in training for proper servicing and inspection of lorry cranes. Hans was trained in the Palfinger Headquarters in Salzburg, Austria, on the hardwares and softwares of the Palfinger lorry loader. He was also trained in the calibration of Palfinger’s High Performance Stability Control (HPSC) system (Stability Control System Technology).

Hans was the project leader, leading Wong Fong Engineering in calibrating and commissioning Palfinger’s High Performance Stability Control (HPSC) lorry loader cranes in Singapore. He has also trained lorry crane operators in the operations of Palfinger cranes.

With his expertise in lorry cranes, Hans was transferred to Wong Fong Academy Pte Ltd (WFA) on 2016 as part of the training team. Hans hope that the lifting industry will advocate the use of technology to enhance safe lifting operations.

## Presentation Topics

- Types of Crane and Auxiliary Equipment
- Salient Points on WSH (Operation of Cranes) Regulation and the impact on lorry crane operators
- Updated requirements by Land Transport Authority on lorry crane
- Safe Operation of Cranes as per manufacturer’s recommendations (Set Up and Common Mistakes)
- Accident case studies (Why and How it happens and prevention measures)
- Advanced crane safety technology and its impact on work
- Load Chart Interpretation
- Use of crane simulator

### Details

#### **Dates:**

- |                      |                    |                 |
|----------------------|--------------------|-----------------|
| 1. 5 April 2018      | 2. 23 May 2018     | 3. 11 July 2018 |
| 4. 12 September 2018 | 5. 17 October 2018 |                 |
| 6. 12 December 2018  |                    |                 |

**Time:** 9am to 5pm (Registration starts at 8.45am)

#### **Venue: Wong Fong Academy**

79 Joo Koon Circle,  
#03-03  
Singapore 629107

**CPD Points:** 7 SDUs  
4 PDUs

#### **Course Fee:**

##### SISO Members

\$406.60\* (SISO Member)  
\$294.25\*#(After Grant; before UTAP)

##### Others

\$481.50\* (Others)  
\$369.15\*# (After Grant; before UTAP)

#### **#The Employment And Employability Institute (e2i) Course Funding:**

This programme is supported by e2i. The grant will only be available to Singapore Citizens and Permanent Residents.

\*Fees include GST, light refreshments and training materials

#### **Note: Union Training Assistance Programme (UTAP):**

UTAP supports 50% of the course fees paid cap at \$250 per year. You must be an union member throughout the course duration and at the time of claim. You must achieve a minimum of 75% attendance for each application and sat for all prescribed examinations. Other terms and conditions apply.

**For more information and registration:**

**Website:** [www.siso.org.sg](http://www.siso.org.sg)

**Email:** [training1@siso.org.sg](mailto:training1@siso.org.sg)

**Phone:** 6513 0286

# Registration Form:

## Engineering Safety in Lorry Crane Operations Workshop



Part A					
Training Date:					
Part B - Participants Details (attach a separate list if necessary)					
Salutation (Mr/Ms/Mdm)	Name (Please underline surname)	NRIC	Designation / Job Title (Please indicate your WSHO Reg. No., if any)	Mobile no:	Special Diet (E.g. Vegetarian)
Part C - Company Particulars					
Name of Company:					
Type of Industry:					
Name of Contact Person:				Designation:	
Tel:				Fax:	
Email (for course correspondence):					
Part D - Billing Details					
Billing Address:					
Please tick as appropriate if you would like an invoice to the company: <input type="checkbox"/> Yes <input type="checkbox"/> No			e-Invoice for Government bodies Dept & Sub-business unit: _____		
SISO member (circle as appropriate): Yes/ No			(For official use only)		
*SISO membership no:			Cash or Cheque No.		for S\$

### NOTE

#### 1. Registration and Payment

Please submit completed form together with a crossed cheque, made payable to "SISO Academy Pte Ltd", to reach us no later than one week prior to the programme start date.

Please mail registration and cheque to:

**SISO Academy Pte Ltd**  
167 Jalan Bukit Merah  
#02-13 Connection One, Tower 5,  
Singapore 150167

#### 2. Withdrawal

If written notice of withdrawal is received:  
> 14 days before commencement of programme – full refund  
Between 3 & 13 working days – 70% refund  
Less than 3 working days - no refund

(Please note that programme confirmation can only be made 3 days before the commencement date)

#### Course Fee:

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\$294.25\*#(After Grant; before UTAP)

##### Others

\$481.50\* (Others)  
\$369.15\*# (After grant; before UTAP)

\*Fee includes GST, light refreshments, lunch and training materials  
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Visit our website at [www.siso.org.sg](http://www.siso.org.sg)

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Phone: 6513 0286

The Academy reserves the right to amend the programme content, or to cancel or change the date of the programme or the venue.