

by Online Safety Systems

## RISK MANAGEMENT REPORT

<b>Report Number</b>	PARA 20120523-1400
<b>Assessment Date</b>	23-May-2012
<b>Assessor</b>	David Robson
<b>Company</b>	Plant Assessor Risk Assessment Services
<b>Make</b>	LDC
<b>Model</b>	PTL2
<b>Type</b>	Traffic Lights - Portable
<b>Identifier</b>	6K9G1GAS1CA037073-74
<b>Lot Number</b>	
<b>Assessment Purpose</b>	Sale
<b>State</b>	QLD

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### Section 1 - Important Information

Contains information outlining the scope and any limitations applicable to this Risk Management Report

### Section 2 - Unit Details

Contains standard unit specifications and details of any extras fitted

### Section 3 - Risk Analysis, Risk Evaluation & Risk Treatment

Contains details of the technique used to calculate risk ratings, time frame and risk treatments. Please refer to this information when reviewing and interpreting the information in section 4

### Section 4 part 1 - Risk Treatments Required

Contains detailed information regarding the risk treatments to be implemented including hazard, risk rating, time frame, relevant standards & legislative references

### Section 4 part 2 - Risk Treatments in Place

Contains detailed information regarding the risk treatments in place including hazard, risk rating, relevant standards & legislative references

### Section 5 - Photos & Notes

Contains photos & any relevant information entered by the assessor

**SECTION 1      IMPORTANT INFORMATION**

This Risk Management Report has been prepared for -

\_\_\_\_\_

(insert recipient name/company name)

This document has been prepared to cover the sale or transfer of this item of plant between the Company identified on the front cover and their named recipient. This report must not be used for any subsequent sale or transfer.

This document is provided to meet duty of care obligations as set out in OH&S regulations for the supply of plant and the sale and transfer of plant.

The safety hazards associated with the operating and maintaining of this item of plant have been identified as far as practical by visual inspection. This item of plant is being sold in an "as-is" condition with known and unknown safety hazards. No physical testing has been conducted (eg. Wire rope tests, stress tests, structural/non-destructive tests, noise tests, vibration tests, brake tests, insulation tests etc.) unless stated otherwise in the notes.

This document is not intended to provide information on, nor warrant the mechanical, electrical or structural condition of this item of plant. Any information on standard features have been supplied through the manufacturer and should be used as a guide only until otherwise verified.

This item of plant should be further assessed, tested and inspected or dismantled as necessary to gauge any further hazards and /or risks relating to SPECIFIC WORKPLACE USE, which are currently unknown, in accordance with relevant standards, regulations and acts.

Under common law and OH&S acts, regulations and code of practice, there is a requirement for the plant owner, employer and operator to exercise a duty of care in the safe operation and maintenance of plant. Accordingly before this item of plant is supplied to, or used at any workplace it must be inspected to ensure it is in a fully operational , safe and serviceable condition and that operators and maintenance personnel are appropriately trained in the use & maintenance of this item of plant.

For further information regarding this report contact Online Safety Systems on 1300 72 88 52

**SECTION 2      UNIT DETAILS**

**STANDARD SPECS**

**- Noise Test Results**

1. Manufacturers specified noise level dBA	
2. Ambient noise level dBA	
3. Noise level - Operator position (high idle) dBA	
4. Noise level - Operator position (low idle) dBA	
5. Noise level LHS dBA @ m (high idle)	
6. Noise level Front dBA @ m (high idle)	
7. Noise level RHS dBA @ m (high idle)	
8. Noise level Rear dBA @ m (high idle)	

Operator sound level dBA

Sound Level @ 85dB(A) distance from attachment (m)

**Dimensions/Weights**

Height - collapsed (mm)	2260
Height (mm)	3485
Length (mm)	3870
Weight (kgs)	
Width (mm)	1710

**Engine**

Engine make & model

Engine: Petrol/Diesel

Tyres

Tyres

**SECTION 3**

Risk Analysis						
Consequence						
		1 Insignificant Dealt with by in house first aid	2 Minor Treated by medical professionals, hospital out patients	3 Moderate Significant non permanent injury, overnight hospital stay	4 Major Extensive permanent injury, e.g. Loss of fingers, extended hospital stay	5 Catastrophic Death, permanent disabling injury e.g. Loss of hand, quadriplegia
Likelihood	A Almost certain to occur in most circumstances	MEDIUM 8	HIGH 16	HIGH 18	CRITICAL 23	CRITICAL 25
	B Likely to occur frequently	MEDIUM 7	MEDIUM 10	HIGH 17	HIGH 20	CRITICAL 24
	C Possible and likely to occur at sometime	LOW 3	MEDIUM 9	MEDIUM 12	HIGH 19	HIGH 22
	D Unlikely to occur but could happen	LOW 2	LOW 5	MEDIUM 11	MEDIUM 14	HIGH 21
	E May occur but only in rare circumstances	LOW 1	LOW 4	LOW 6	MEDIUM 13	MEDIUM 15


Risk Evaluation	
<b>CRITICAL</b>	Act immediately to mitigate risk. Implement risk treatment(s) in accordance with the risk treatment table below.
<b>HIGH</b>	Act immediately to mitigate risk. Implement risk treatment(s) in accordance with the risk treatment table below. If the appropriate permanent risk treatments are not immediately accessible establish interim risk treatment strategies. Permanent risk treatments must be implemented within one week.
<b>MEDIUM</b>	Take reasonable steps to mitigate and monitor the risk. Implement risk treatment(s) in accordance with the risk treatment table below. Permanent risk treatments must be implemented within one month.
<b>LOW</b>	Take reasonable steps to mitigate and monitor the risk. Implement risk treatment(s) in accordance with the risk treatment table below. Permanent risk treatments must be implemented within three months.

Risk Treatment	
Selecting the most appropriate risk treatment option involves balancing the costs and efforts of implementation against the benefits derived, with regard to legal, regulatory and other requirements. (source AS/NZS ISO 31000:2009)	
<b>Eliminate</b>	Eliminate the risk source.
<b>Substitute</b>	Provide an alternative that is capable of performing the same task which is safer.
<b>Engineering</b>	Provide or construct a physical barrier or guard.
<b>Administrative</b>	Develop policies, procedures, practices and guidelines in consultation with employees to mitigate the risk. Provide training, instruction and supervision about the risk source.
<b>Personal protective</b>	Provide personal protective equipment to protect the individual from the risk source.


**SECTION 4 PART 1 RISK TREATMENTS REQUIRED**

This section of the report pertains to hazards created by use of this item of plant which currently do not have risk treatments in place. The risk treatments recommended in this section have been developed based on relevant Australian Standards, legislation, the hierarchy of risk treatment in accordance with the guidelines set forth in AS/NZS ISO 31000 – Risk Management and various other sources. The recommended risk treatment measures must be developed, implemented and validated as effective prior to the operation, maintenance or testing of this item of plant. Treatments applied must be dated and initialled adjacent the recommendations. All operators must read and understand the entire contents of this section prior to operating this item of plant.

**Operation**

	<b>Hazard(s):</b> Incorrect Operation	<b>Relevant References:</b> AS1470, ISO31000-2009 Risk Management	
	<b>Preliminary Risk Rating:</b> CRITICAL 24	<b>Time Frame:</b> Immediate	<b>Due Date:</b> 30-May-12
	<b>Residual Risk Rating:</b> LOW 2	<b>Date Rectified:</b> <input type="text"/>	<b>Initial:</b> <input type="text"/>
	<b>Risk Treatment Required:</b> Operator Competency	Only persons who are qualified, trained and experienced and/or hold the relevant certification/license can operate this item of plant. If there is not a competent/licensed person available for operation of this item of plant then only persons who are supervised by a competent/licensed person can operate this item of plant.	

Legislation: State Health & Safety Legislation & Regulation

	<b>Hazard(s):</b> Fire	<b>Relevant References:</b> AS1470, AS1841, AS1851, AS2153.7, ISO31000-2009 Risk Management	
	<b>Preliminary Risk Rating:</b> MEDIUM 13	<b>Time Frame:</b> 1 Month	<b>Due Date:</b> 29-Jun-12
	<b>Residual Risk Rating:</b> LOW 4	<b>Date Rectified:</b> <input type="text"/>	<b>Initial:</b> <input type="text"/>
	<b>Assessor Comments:</b> Not Requested.	<b>Risk Treatment Required:</b> Fire Extinguisher	


No fire extinguishers are installed on this item of plant. Fire extinguisher(s) to AS 1841 must be present and fully functional and serviceable at all times. They must be readily accessible to the operator. Regular inspections must also be carried out in accordance with the manufacturer's requirements and AS 1851

Legislation: State Health & Safety Legislation & Regulation


**SECTION 4 PART 2 RISK TREATMENTS IN PLACE**

This section of the report pertains to risk treatments currently in place on this item of plant. This section must be read in conjunction with the safety section of the manufacturers handbook. All operators must read and understand the entire contents of this section prior to operating this item of plant. These treatments or equivalent must remain in place at all times whilst this item of plant is in operation.

**Commissioning / Installation**

	<b>Hazard(s):</b> Incorrect Operation	<b>Relevant References:</b> AS1470, ISO31000-2009 Risk Management
	<b>Preliminary Risk Rating:</b> HIGH 22	<b>Residual Risk Rating:</b> MEDIUM 15
	<b>Risk Treatment:</b> Pre Start generic	The operational "pre start" checklist must be completed before the start of each operation. If any faults are detected, these must be rectified prior to commencement of operation. These inspections must be documented as part of your plant safety management programme.

**Operation**

	<b>Hazard(s):</b> Incorrect Operation	<b>Relevant References:</b> AS1470, AS2153, ISO31000-2009 Risk Management
	<b>Preliminary Risk Rating:</b> HIGH 22	<b>Residual Risk Rating:</b> MEDIUM 15
	<b>Risk Treatment:</b> Operation Handbook	The manufacturer's operation handbook has been supplied for this item of plant.

This handbook must be available at all times to all potential operators and supervisory staff. All potential operators must read and be familiar with this handbook prior to operating.

A complete risk assessment/Job Safety Analysis must be undertaken covering all operating processes and environments associated with this item of plant. SWMS should be produced for specific tasks associated with use of this item of plant.

**Hazard(s):** Incorrect Operation **Relevant References:** AS1470, ISO31000-2009 Risk Management

**UNIT DETAILS**

**Make Model Type** LDC PTL2 Traffic Lights - Portable

**Identifier Assessor Date** 6K9G1GAS1CA037073-74 David Robson 23-May-2012



**Preliminary Risk Rating:** HIGH 22  
**Risk Treatment:** SOPs

**Residual Risk Rating:** MEDIUM 15

Safe Operation Procedures are available for this item of plant. The information in the Safe Operation Procedures must be followed at all times whilst operating this item of plant.



**Preliminary Risk Rating:** HIGH 22  
**Risk Treatment:** Control Labels

**Relevant References:** AS1064, AS1470, AS2956, HB59, ISO31000-2009 Risk Management

**Residual Risk Rating:** MEDIUM 15

All controls including all levers, buttons, pedals, switches etc. are clearly labelled as to their purpose and method of operation. These labels must be maintained in a clean and serviceable condition at all times.



**Preliminary Risk Rating:** HIGH 21  
**Risk Treatment:** Tow Point

**Relevant References:** AS1470, AS2153.1, AS2153.3, AS4024.1, ISO31000-2009 Risk Management

**Residual Risk Rating:** MEDIUM 15

This item of plant has clear towing instructions. These must be adhered to at all times when towing this item of plant. This instruction label must be serviceable at all times whilst this item of plant is in operation.

**Design Compliance**



**Hazard(s):** Cutting, Entanglement  
**Preliminary Risk Rating:** HIGH 22  
**Risk Treatment:** Manufacturer's Guards

**Relevant References:** AS1470, AS4024, ISO31000-2009 Risk Management  
**Residual Risk Rating:** MEDIUM 15

Ensure guarding remains securely fixed and fully functional at all times whilst this item of plant is in operation.



**Hazard(s):** Collision, Crushing  
**Preliminary Risk Rating:** CRITICAL 24  
**Risk Treatment:** Park Brake

**Relevant References:** AS1470, ISO31000-2009 Risk Management  
**Residual Risk Rating:** MEDIUM 15

The park brake fitted to this item of plant is fully functional at all times. The park brake must be regularly inspected and tested. These inspections and tests must be documented as part of your plant safety programme.



**Preliminary Risk Rating:** HIGH 22  
**Risk Treatment:** Safety Device

**Relevant References:** AS1418.1-2002 Cranes - General requirements, AS1470, ISO31000-2009 Risk Management  
**Residual Risk Rating:** MEDIUM 15

This item of plant is fitted with a safety device to prevent unintentional lowering. This device must be fully functional at all times whilst this item of plant is in operation. This device must be checked regularly as part of the maintenance and plant safety programme. This item of plant must not be used if any defect is detected with this device until this defect is rectified and the unit inspected by a qualified person.



**Hazard(s):** Collision, Crushing  
**Preliminary Risk Rating:** HIGH 22  
**Risk Treatment:** Safety Chain

**Relevant References:** ISO31000-2009 Risk Management  
**Residual Risk Rating:** MEDIUM 15

This item of plant is fitted with a safety device (chain) which will keep this item of plant attached to the towing unit in the event of failure to the primary tow coupling. Use of this device is mandatory on public roads and use at all other times is highly recommended.

The size and capacity of all components of this device must be proportional to the mass of this item of plant and conditions under which this item of plant is towed.

The condition of this device must be monitored as part of your operational "pre start" checklist. If any faults are detected towing of this item of plant must not occur until repair or replacement by a competent person occurs.



**Preliminary Risk Rating:** HIGH 20  
**Risk Treatment:** Intuitive Controls

**Relevant References:** AS4024.1906-2006, ISO31000-2009 Risk Management  
**Residual Risk Rating:** MEDIUM 14

The controls fitted to this item of plant are orientated so that the movement of the control is consistent with the action of the machine e.g. moving a control lever to the left results in the machine turning to the left. This design feature must be maintained at all times whilst this item of plant is in operation.



**Hazard(s):** Incorrect Operation, Operational Malfunction  
**Preliminary Risk Rating:** MEDIUM 14  
**Risk Treatment:** Restricted Access Switches

**Relevant References:** AS3000-2007, AS3947.3-2001  
**Residual Risk Rating:** MEDIUM 13

This item of plant is fitted with a device to restrict operators. A code/key must only be given to those that have appropriate experience or training.

**Hazard(s):** Collision  
**Relevant References:** ISO31000-2009 Risk Management



## UNIT DETAILS

**Make Model Type** LDC  
PTL2  
Traffic Lights - Portable

**Identifier Assessor Date** 6K9G1GAS1CA037073-74  
David Robson  
23-May-2012



**Preliminary Risk Rating:** HIGH 22

**Residual Risk Rating:** MEDIUM 11

**Risk Treatment:** Trailer Lights

This item of plant is fitted with lighting to indicate presence, turning and braking. All of these lights must be fully functional whilst this item of plant is in operation in areas of reduced light. If any of these lights stop working the operation must cease immediately and the faulty light be repaired before operation can continue in the areas of reduced light.

**Hazard(s):** Incorrect Operation, Slipping

**Relevant References:** AS1470, AS2153.3, AS2153.6, AS2153.7, AS2956, ISO31000-2009 Risk Management



**Preliminary Risk Rating:** HIGH 17

**Residual Risk Rating:** LOW 6

**Risk Treatment:** Control Levers/Pedals/Buttons

The control levers and foot controls must be kept non-slip and free from damage at all times.

**Hazard(s):** Burns, Electric Shock

**Relevant References:** AS1470, AS4024, ISO31000-2009 Risk Management



**Preliminary Risk Rating:** MEDIUM 12

**Residual Risk Rating:** LOW 6

**Risk Treatment:** Battery Cover

This item of plant has sturdy, permanently attached covers to all batteries. These must be present and fully functional and serviceable at all times whilst this item of plant is in operation.

**Hazard(s):** Strains

**Relevant References:** AS1064, AS1246, AS1470, AS2153.3, AS2956, HB59



**Preliminary Risk Rating:** HIGH 19

**Residual Risk Rating:** LOW 5

**Risk Treatment:** Controls Ergonomics

All controls including all levers, buttons, pedals, switches etc, are placed near the operator work position and are easy to reach and operate during the execution of the operator's normal duties. This applies for all persons within the 95th percentile of the normal population distribution.

**Hazard(s):** Operational Malfunction

**Relevant References:** AS1470, ISO31000-2009 Risk Management



**Preliminary Risk Rating:** HIGH 22

**Residual Risk Rating:** LOW 2

**Risk Treatment:** Plant Modification

The plant is in original condition.

## Maintenance

**Hazard(s):** Incorrect Operation

**Relevant References:** AS1470, AS2153, ISO31000-2009 Risk Management



**Preliminary Risk Rating:** HIGH 22

**Residual Risk Rating:** MEDIUM 15

**Risk Treatment:** Maintenance Manual

The manufacturer's maintenance manual(s) has been supplied for this item of plant

These manual(s) must be available at all times to all users and maintenance staff of this item of plant. All users and maintenance staff must read and be familiar with these handbook(s) prior to maintaining or repairing this item of plant.

A complete risk assessment/JSEA must be undertaken covering all inspection, maintenance, servicing and transportation requirements of this piece of plant prior to use.

A full assessment of the competence of people using the book(s) must also be undertaken

**Hazard(s):** Operational Malfunction

**Relevant References:** AS1470, ISO31000-2009 Risk Management



**Preliminary Risk Rating:** HIGH 21

**Residual Risk Rating:** MEDIUM 15

**Risk Treatment:** Service Records

Service and maintenance records are available for this item of plant.

These records must continue to be maintained and stored in a secure area as part of your plant safety management programme. This programme includes the undertaking of regular inspections concerning the general condition of the item of plant including (but not limited to) tyre condition, oil levels and wear and tear on critical items such as brakes and steering, etc. All OEM prescribed, scheduled and non scheduled maintenance must also be documented as part of these records and attended to within a risk management framework.

**Hazard(s):** Collision, Instability

**Relevant References:** AS1470, ISO31000-2009 Risk Management



**Preliminary Risk Rating:** HIGH 22

**Residual Risk Rating:** MEDIUM 15

**Risk Treatment:** Tyres

The tyres and wheel components must be inspected as part of a "pre start" checklist. These inspections must be documented as part of your plant safety programme.

**Hazard(s):** Current or previous structural damage

**Relevant References:** AS1470, ISO31000-2009 Risk Management



**Preliminary Risk Rating:** CRITICAL 25

**Residual Risk Rating:** MEDIUM 15

**Risk Treatment:** Structural Integrity

Regular checks for structural damage must be undertaken. Look for cracks in frames/chassis (current or repaired), bends or damage to structural components, etc.

## UNIT DETAILS

**Make** LDC  
**Model** PTL2  
**Type** Traffic Lights - Portable

**Identifier** 6K9G1GAS1CA037073-74  
**Assessor** David Robson  
**Date** 23-May-2012

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## SECTION 5 PHOTOS AND NOTES

### NOTES

### PHOTOS

There are no photos

<END OF RISK ASSESSMENT REPORT>

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### RISK MANAGEMENT REPORT

**Report Number** PARA 20120523-1400  
**Assessment Date** 23-May-2012  
**Assessor** David Robson  
**Company** Plant Assessor Risk Assessment Services  
**Make** LDC  
**Model** PTL2  
**Type** Traffic Lights - Portable  
**Identifier** 6K9G1GAS1CA037073-74  
**Lot Number**  
**Assessment Purpose** Sale  
**State** QLD

### PURCHASER ACKNOWLEDGEMENT

I the undersigned acknowledge that I have read and understand the risk management report described above.

I also acknowledge that I have received a copy of this risk management report.

I also acknowledge that I am authorised to sign on behalf of the purchaser.

Company Name \_\_\_\_\_

First Name \_\_\_\_\_ Surname \_\_\_\_\_

Address \_\_\_\_\_

Suburb/Town \_\_\_\_\_ State \_\_\_\_\_ Postcode \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ Mobile \_\_\_\_\_

Email Address \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Can Online Safety Systems contact the purchaser with important OH&S information ? (please tick one)  
 Yes   
 No

The manufacturers' operational & maintenance handbooks have been supplied, \_\_\_\_\_ (initial) (please tick one)  
 Yes   
 No

Please transfer this assessment to my Plant Assessor membership as a Hire / Plant in Use assessment (circle either)

My Plant Assessor username is \_\_\_\_\_