
 <p>A6, 10 Compton Road, Underwood Q 4119 Tel: (07) 3123 1021 Fax: (07) 3102 9305 info@ediaust.com.au</p>	Title:		Document ID
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PLANT DETAILS

MANUFACTURER	PLATFORM BASKET
MODEL	SPIDERLIFT 2714
PROJECT	MOBILE ELEVATING WORK PLATFORM
CLIENT	MONITOR INDUSTRIES
DOCUMENT TITLE	RISK ASSESSMENT SUMMARY
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DESCRIPTION	REVISION	DATE	APPROVER
Original Issue	A	18/10/2017	E. Jaimes

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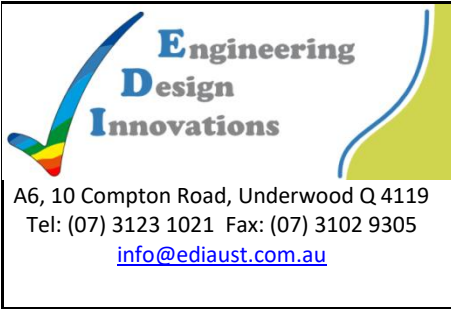
This document is a summary of the Risk assessment prepared for MONITOR INDUSTRIES as part of design verification process carried out by Engineering Design Innovations Pty Ltd on MOBILE ELEVATING WORK PLATFORM SPIDERLIFT 2714. Hazards and control measures shown in the table must be actioned by plant owners and operators in order to minimise / eliminate the hazards. The Operator's Manual contains a list other residual risks associated with operation of this plant. Persons responsible for safety and operation of this plant should also refer to AS 2550.10 for guidelines on safe use of this type of plant.

Risk score: **Low** (1 – 5), **Moderate** (6 – 9), **High** (10 – 17), **Very High** (18 – 25).

Description of Hazard	Risk Score	Further Recommended Control Measure
Persons injured due to not following proper operating procedures	19	Train operators on safe use of the plant. Operator training should include at least the following: <ul style="list-style-type: none"> • pre-operation inspections; • Safe operation of plant; • Regular maintenance tasks; • Understanding of plant operation; • Capabilities and limitations; • Emergency procedures; Do not operate the plant unless proper training has been received.
Operator or by-stander could be injured due to the operator not being 'fit for work' because of illness, fatigue, or being under the influence of drugs and alcohol.	21	Do not operate the plant when ill, excessively fatigued, or under the influence of drugs and alcohol.
Operator could be catapulted off the platform due to unexpected movement of the plant.	19	Wear safety harness when in the platform. Hold on to grab rails on the basket during platform movement.
People could be crushed by overturning plant due to overloading of the platform.	19	Operator to become familiar with plant limitations.
Persons could be crushed by overturning plant due to plant operating under environmental conditions beyond its capabilities.	15	Operator to become familiar with limitation of plant. Do not operate MEWP during storms, high winds, or in areas where tunnelling effect could substantially increase wind speeds.
Persons could be injured if plant is misused. E.g. using the platform as a crane, loading pipes on platform, etc.	19	Do not use the MEWP for any other purpose than its intended use as explained in the Operator's Manual.

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Description of Hazard	Risk Score	Further Recommended Control Measure
Persons could be injured due to hazards associated with the job site.	22	Perform hazard and risk analysis before operating the plant on site.
Operator could fall from an elevated platform while attempting to climb down a broken down plant.	22	Train operators about the dangers of working at heights. Ensure operators and service technicians are familiar with emergency procedures.
By-stander and/or operator could have foot crushed by lowering outriggers.	18	Take appropriate safety measures to keep people away from plant's operating area.
Operator on basket could be crushed between basket structure and a job site fixed structure due to inadvertent operation of the controls.	24	Beware of risks associated with inadvertent operation of the machine, avoid compromising machine positions.
Bystander could be crushed by lowering platform while standing under machine working area.	15	Beware of persons surrounding the plant during platform movements. Take appropriate safety measures to keep people away from machine's operating area.
People could be injured due to malfunction of electric / electronic components.	15	Users to familiarise with location of emergency stop buttons. Carry out pre-operational function tests of safety-related functions at the start of every shift.
Incapacitated operator could die from life threatening injuries received whilst operating the plant due to delays in rescue operation because site personnel are unable to use the plant's emergency controls.	22	Ensure there is a trained person on site able to operate the plant's emergency controls other than the operator in the platform.




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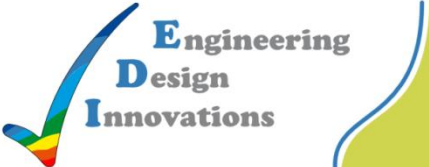
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Operator and bystander could be injured (e.g. injury from bumping on basket frame while standing on basket, or foot being crushed by lowering outriggers) during automatic levelling operation because the automatic function is a press-and-release operation.	10	Ensure area surrounding the machine is clear from by-standers before engaging automatic level. Ensure there is enough head clearance around the basket when performing automatic levelling operation from the basket to prevent being pinned against a fixed structure.
Operator and bystander could be injured by moving plant during driving manoeuvres.	15	Ensure area surrounding the machine is clear from by-standers before engaging automatic level. Maintain a safe distance from the plant whilst operating drive controls.
Operator could be crushed by overturning machine during emergency rescue operation if work platform is placed in an unstable position.	22	Follow emergency rescue procedures outlined in the Operator's manual. Regularly train operators on emergency rescue procedures.
Operator could be injured due to plant colliding with another plant.	18	Ensure no other equipment is being operated near the plant, including overhead cranes, forklifts and other aerial work platforms.
Operator and by-stander could be crushed by overturning plant when working near a ditch, trench, or pit wall.	22	Always maintain a safe distance from ditches, trenches or pit walls while operating the plant.
Persons could be injured when following a poor system of work in relation to the operation of the plant.	22	Implement appropriate system of work based on manufacturer's recommendation (e.g. operating instructions shown in operator's manual).
Persons could be struck by objects falling from the platform or moving plant parts during operation of the plant.	21	Secure items such as tools and consumables which could fall from the platform. Set up work exclusion zone to prevent persons from being injured by moving plant.
Persons could be injured due to structural failure of machine components.	19	Regularly inspected the plant as per maintenance schedule to ensure structural integrity is maintained.

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Operator could be injured due to platform overturning because of excessive chassis inclination while the plant is driven in the stowed position.	22	Do not drive the plant over ground slopes which exceed its limitations. Carry out job site risk assessment to determine suitability of the site before commencing any work.
Operator could be injured due to failure of plant controls.	15	Regularly check operation of function-enable foot switch.
Operator and by-stander could be crushed by overturning plant due to inadequate ground conditions.	22	Check suitability of ground conditions to ground pressure requirements shown in operator's manual and plant decals.
Operator could be injured due to failure of hydraulic components such as hoses and fittings.	15	Regularly check operation of counter balance valves.
Persons could be crushed by overturning plant if operated under excessive wind loads.	22	Observe and adhere to plant limitations. Constantly monitor wind speed when operating in wind-sensitive areas.
Operator could be crushed by swinging outrigger when changing configuration from stowed to narrow or wide set up due to ground unevenness causing uncontrolled rotation of outrigger assembly.	14	Assess the job site prior to driving the machine in place and determine a work methodology to safely position outriggers.
Operator could be crushed by overturning plant whilst being driven from the platform over uneven ground.	15	Do not drive the plant from the platform when manoeuvring over uneven ground.
Persons could be injured due to unpredicted movement of the work platform after using emergency recovery controls.	9	Thoroughly inspect the machine after an emergency rescue operation.
Operator could be electrocuted while using 240VAC power tools on the platform due to damage to electrical cable.	22	Operators to ensure electrical tools and extension lead have been tested and tagged (as per requirements of AS 3000).

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Operator could be electrocuted if struck by lightning.	15	Do not operate the plant during thunderstorms.
Persons could be injured by overturning machine due to failure of safety switches or platform overload system.	22	Perform pre-operation check of safety devices.
Person could suffer back injury while attempting to replace the work platform.	17	Follow recommended procedure outlined in the Operator's Manual. Do not attempt to remove the basket on our own. Always ask for assistance to remove/replace the basket.
Persons could be injured by falling plant during lifting or transportation due to incorrect handling of the plant.	14	Enforce the use of appropriate operating procedures when handling the machine. Follow lifting and tie down instructions / guidelines outlined in the Operator's manual.
Persons could be crushed due do failure of lifting slings, chains, etc. during lifting operation.	19	Ensure lifting / tie down gear is in good condition. Only use chains and slings for their intended purpose. E.g. Do not use ratchet straps in lifting applications
Operator and by-stander could be overcome by engine exhaust fumes while working indoors	22	Ensure there is enough ventilation in job site whenever combustion engine is used to operate the plant.
Persons could be injured by attempting to operate a faulty or out of order plant.	10	Implement a 'tag out' procedure for maintenance / faulty plants
Injured operator could suffer complications if immediate emergency treatment could not be administered due to the operator working solo.	15	Do not work alone. Ensure there is a competent person on site able to operate the plant in case of an emergency.
Persons could be injured while operating the plant in an area with insufficient light.	6	Ensure there is sufficient lighting in the work area.
Persons could be injured due to misuse when the plant is left unattended or under storage.	18	Always remove the key from the controls whenever the plant is unattended.

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Persons could be injured due to modifications made to the plant after completion of this risk assessment.	22	Ensure any modifications made are inspected, assessed and approved by a competent person.