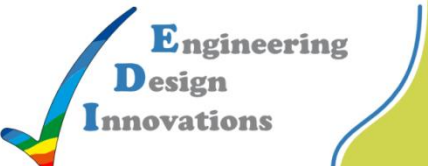
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#### PLANT DETAILS

**MANUFACTURER**                      PLATFORM BASKET  
**MODEL**                                 SPIDER 22.10 EVO  
  
**PROJECT**                                MOBILE ELEVATING WORK PLATFORM  
**CLIENT**                                 MONITOR INDUSTRIES  
  
**DOCUMENT TITLE**                    RISK ASSESSMENT SUMMARY  
**DOCUMENT ID**                        090.D03  
**DOCUMENT REVISION**                A  
**DOCUMENT DATE**                     31/12/2018

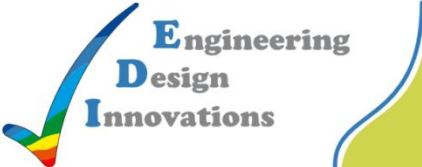
DESCRIPTION	REVISION	DATE	APPROVER
Original Issue	A	31/12/2018	E. Jaimes

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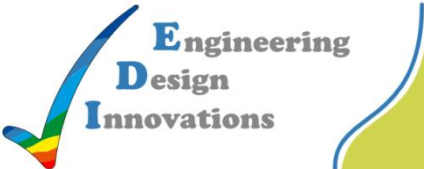
This document is a summary of the Risk assessment prepared for MONITOR INDUSTRIES as part of design verification process carried out by Engineering Design Innovations Pty Ltd on MOBILE ELEVATING WORK PLATFORM SPIDER 22.10 EVO. Hazards and control measures shown in the table must be actioned by plant 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).

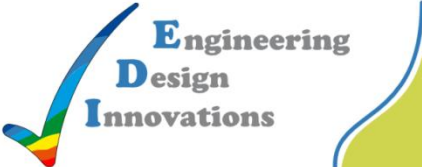
Description of Hazard	Risk Score	Further Recommended Control Measure
Persons injured due to not following proper operating procedures	19	<p>Train operators on safe use of the plant. Operator training should include at least the following:</p> <ul style="list-style-type: none"> <li>• pre-operation inspections;</li> <li>• Safe operation of plant;</li> <li>• Regular maintenance tasks;</li> <li>• Understanding of plant operation;</li> <li>• Capabilities and limitations;</li> <li>• Emergency procedures;</li> </ul> <p>Do not operate the plant unless proper training has been received.</p>
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	<p>Wear safety harness when in the platform.</p> <p>Hold on to grab rails on the basket during platform movement.</p>
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 operation under environmental conditions beyond its capabilities	15	<p>Operator to become familiar with limitation of plant.</p> <p>Do not operate MEWP during storms, high winds, or in areas where tunnelling effect could substantially increase wind speeds.</p>
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.
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	Operators to be aware of people surrounding the machine during platform movement.  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.
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.
Person could suffer back injury while attempting to replace the work platform.	13	Do not attempt to remove the basket on your own. Always ask for assistance to remove/replace the basket.
Operator could be crushed by overturning machine during emergency rescue operation if work platform is placed in an unstable position.	22	Follow emergency rescue procedure.  Regularly train operators on emergency rescue procedures.

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Description of Hazard	Risk Score	Further Recommended Control Measure
Operator could be injured due to plant collision 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 injured by moving plant.	14	Set up work exclusion zone to prevent persons from being injured by moving plant.
Persons could be struck by falling objects from platform.	21	Secure items such as tools and consumables which could fall from the platform.
Persons could be injured due to structural failure of machine components.	19	Regularly inspected the MEWP as per maintenance schedule to ensure structural integrity of structural members.
Persons could be injured by machine falling during lifting or transportation because it has been secured/lifted from an unsuitable point in the chassis.	14	Ensure operators are aware of the correct way to handle / transport the machine.
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	Check operation of function-enable foot switch daily.
Operator and by-stander could be crushed by overturning plant due to inadequate ground conditions.	22	Check that ground conditions are suitable to withstand maximum ground pressure shown in operator's manual and plant decals.

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Description of Hazard	Risk Score	Further Recommended Control Measure
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.
Incapacitated Operator on work platform could suffer extended injuries or death if not being able to be rescued promptly.	22	Test override emergency system during plant maintenance. Ensure there is a person on site other than the operator capable of carrying out emergency recovery operation of the plant.
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 and by-standers could be crushed by overturning machine due to incorrect chassis level set up.	22	Visually check machine level before operating the machine.
Persons could be struck by machine extremities during turning operations.	6	Keep clear of moving plant
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.
Operator could be electrocuted while using 240VAC power tools on the platform due to damage to electrical cables.	22	Operators to ensure electrical tools and extension lead have been tested and tagged (as per requirements of AS 3000).
Operator could be electrocuted if struck by lightning.	15	Do not operate the plant during a thunderstorm.

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Description of Hazard	Risk Score	Further Recommended Control Measure
Operator could suffer electrical shock if 240 VAC power cable insulation rips due to bending, pulling and twisting during normal operation of the machine.	19	Do not operate a machine with an expired electrical test tag. Ensure electrical testing and tagging of machine is carried out regularly.
Persons could be injured by overturning machine due to failure of safety switches or moment sensing system.	22	Perform pre-operation check of safety devices.
Persons could be crushed due to 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.
Operator could be crushed by overturning machine due to outrigger or work platform pins being replaced with non-factory pins because original pins are missing.	19	Visually check outrigger and basket locking pins are original type supplied with the machine.

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Description of Hazard	Risk Score	Further Recommended Control Measure
Operator could be crushed by overturning machine if the incorrect work platform is installed on the MEWP.	18	Ensure correct work platform is installed on the MEWP before operating the machine.
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.