



STRADA CRANE RISK ASSESSMENT

All Technicians must be aware who the Producer /Production Manager or Floor Manager is in the Studio/on location and take direction from them.

No unauthorised person is allowed to operate/use a Strada crane.

Only fully trained and experienced Grips to be employed by the customer to swing the Strada crane. If Panavision's Technicians are dissatisfied they are to report to the Producer/Production Manager or Floor Manager.

Hazard Identified: Injury to all personnel by Crane swinging overhead

Severity: Medium

Likelihood: Low

At Risk: Audience, artists, members of staff

Precautions: Audience to be briefed before shows. Cameraman must be positioned to have direct sight of crane. Grips to inform cameraman of safe swinging radius. Crane to be checked for any object left on the arm that could fall off.

Hazard Identified: Risk of crane arm going into audience.

Severity: High

Likelihood: Low

At Risk: Audience

If crane is situated in a high risk area, one of the grips must wear a safety harness attached to the crane arm to prevent the crane arm going below a safe level. All crew constructing the crane must be professionally examined by the manufacturer or their duly appointed, certified representative, and carry£3,000,000 liability insurance.

Hazard Identified: Object falling from remote head i.e. Camera, Remote Focus, lens etc.

Severity: Medium

Likelihood: Low

At Risk: Contractors, Audience or anyone beneath head

Precautions: Strada Technician to check safety cable is in place on remote head, through camera & lens.

Hazard Identified: Removal or addition of weights, camera, and remote head to unbalanced crane

Severity: High

Likelihood: Low

At Risk: All personnel around crane

Strada Technician must supervise all adding or subtracting of weights or equipment and the unstrapping of the crane. STRADA MUST NEVER BE UNSTRAPPED WITHOUT SUPERVISION OF TECHNICIAN. No weights or equipment to be removed without notification to technician or gip.

Hazard Identified: Dropping of weights.

Severity: Medium

Likelihood: Low

At Risk: Technician, grips & riggers

Precautions: Wear steel capped protective boots/shoes. Ensure that the crane base and/or arm are secure before lifting weights or the camera onto or off it. Take care if there are any special risks such as low light levels, uneven surfaces or unfamiliar environments.

Hazard Identified: Bad lifting of all equipment

Severity: Low

Likelihood: Low

At Risk: Technician, grips & riggers

Precautions: Lift with knees bent and back straight. Four people must work together rigging and de-rigging Strada. If Strada section has to be lifted, a minimum of 4 people must assist to safely complete the task. Use mechanical aids wherever possible. Technicians to wear steel capped protective shoes.

Hazard Identified: Remote head falling whilst loading onto crane.

Severity: Medium

Likelihood: Low

At Risk: Technician & grips

Precautions: Technician must ensure two people carry out this task.

Hazard Identified: Contact with overhead lights or wires.

Severity: Medium

Likelihood: Low

At risk: Artists, Technician, grips crew

Precautions: All crew to be aware of any overhead danger. Cranes not to be used in a location where there are overhead cables low enough to be touched by crane. Cranes not be used below overhead high voltage electricity wires

Hazard Identified: Trip hazard on cables

Severity: Low

Likelihood: Low

At Risk: Production crew & artists

Precautions: Ensure cable runs are neat and lie flat. Cloak cables where possible. Ensure crane does not run over cables. All personnel to be made aware of risk.

Hazard Identified: Movement of arm if crane unattended.

Severity: Medium

Likelihood: Low

Precautions: Technician must ensure that the retaining straps are in place when the arm is in an unbalanced state, during breaks and overnight. The Technician must ensure that the arm is secured when left unattended and switch off every power source. The remote head must be powered down or the controls disabled when not in operational use. The wheel base must be jacked to hold it in position when unattended.

Hazard Identified: Movement of crane on slope or uneven ground

Severity: Low

Likelihood: Low

At Risk, Production crew & artists

Precautions: Crane not to be moved prior to correct balancing of the crane Grips to be aware of position of the arm while moving. Grips must ascertain that their path is clear before starting a move.

Hazard Identified: Use of crane in High winds

Severity: high

Likelihood: Low

At Risk: Technician, grips & riggers general public

Precautions: Strada crane must not be used if the senior grip decides the wind strength is too high for safe operation.(reference to be made to ASPEC Guidance Book on the safe operation of camera cranes)

Method Statement for Strada rig On a Raised Platform

Minimum size:20' X 32'

Time Required: Minimum 3.5 hrs prior to Camera Mounting.

Method:

The Strada crane will arrive in broken down into sections

- 1, Transportation containers/carts to be lifted onto platform using a forklift with a SWL of 2 tonnes or by the use of overhead lifting winches of the same capacity.
2. Assembly to take place as normal but paying close attention to edge of platform, Guard rails to be fitted if possible and toe boards

Where additional labour is supplied they must work solely under supervision of the Strada tech/grip.