



RISK ASSESSMENT
WIZARD



CRANE OPERATION AND LIFTING SERVICES

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Construction Trade

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KEY BENEFITS

Safe Handling

Ensures safe handling and movement of heavy materials.

Efficiency

Increases operational efficiency and reduces downtime.

Precision

Enhances precision in material placement and assembly.

Productivity

Improves overall project timelines and productivity.

KEY HAZARDS & CONTROL MEASURES**Dropped Loads**

- ✓ Use certified lifting accessories inspected before use
- ✓ Establish and enforce exclusion zones beneath lifts
- ✓ Ensure loads are properly rigged by trained personnel
- ✓ Never exceed safe working load limits

Overhead Power Lines

- ✓ Survey site for overhead lines before crane positioning
- ✓ Use goal posts and barriers where necessary
- ✓ Maintain safe clearance distances from power lines
- ✓ Contact power company for isolation if required

Weather Conditions

- ✓ Monitor weather forecasts before and during operations
- ✓ Suspend operations when conditions exceed limits
- ✓ Establish wind speed limits for each lift type
- ✓ Use anemometers on tower cranes

Swing Radius Hazards

- ✓ Mark swing radius clearly on ground
- ✓ Appoint trained signallers for operations
- ✓ Use physical barriers to exclude personnel
- ✓ Maintain radio communication with operator



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