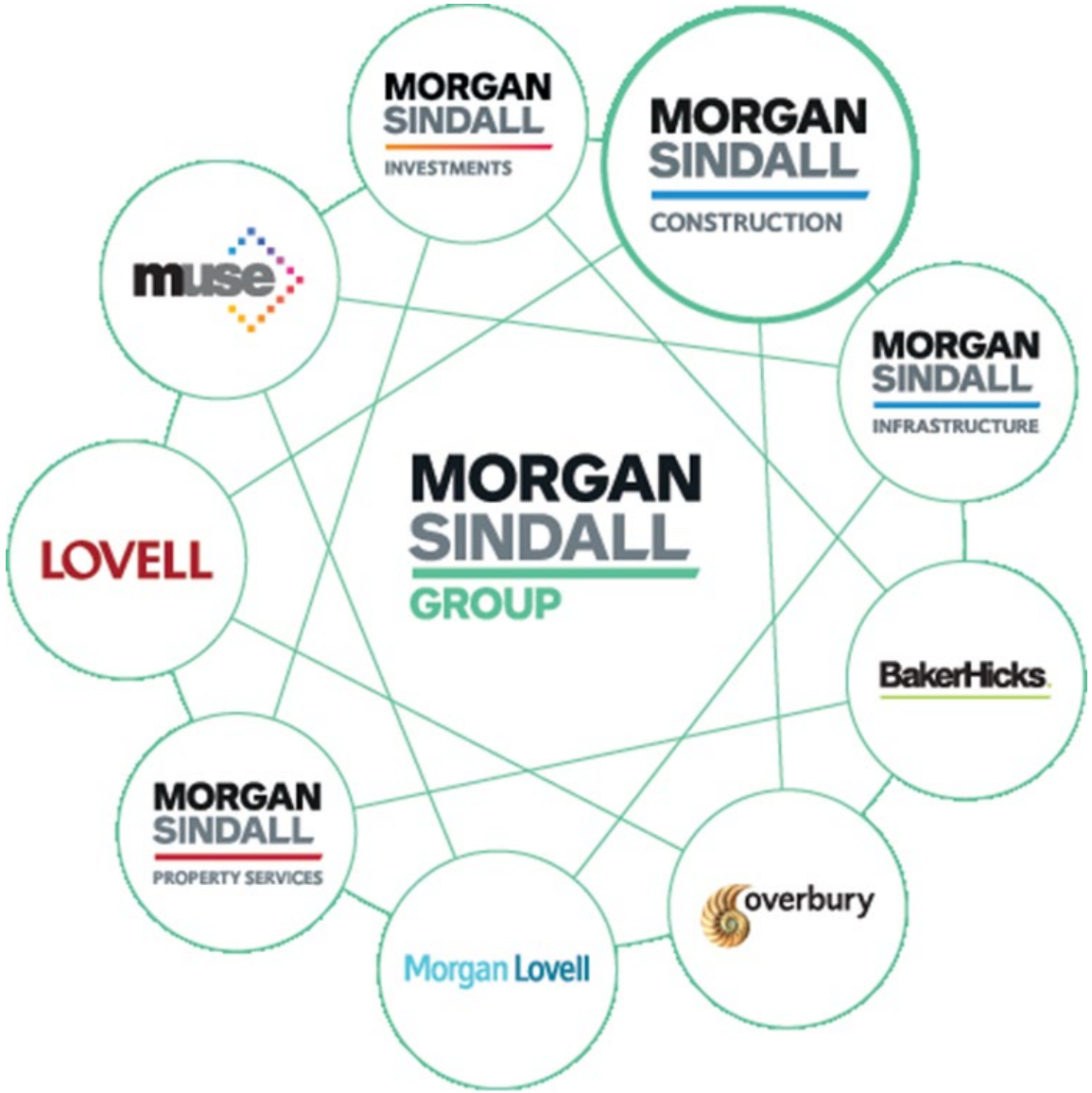
Trials & Tribulations – The Contractors View

Martin Hall – SHE Director
Date 2021

IPAF 2021 ELEVATION

MORGAN SINDALL CONSTRUCTION



VISION

To be the most **sought-after** and **sustainable** business in our industry

VALUES

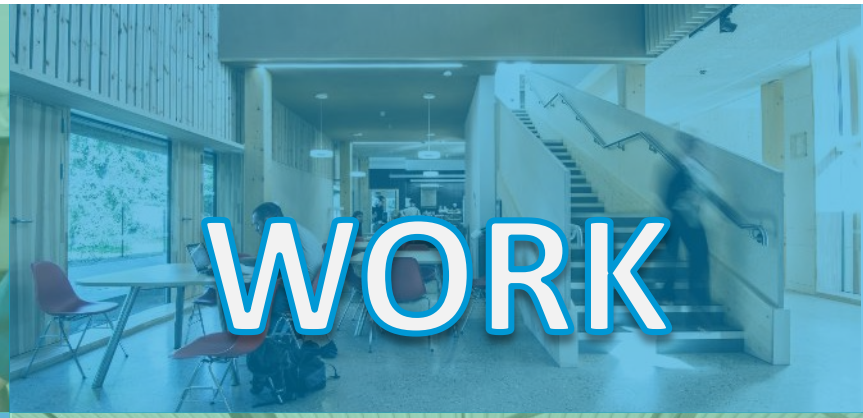
- The customer comes first
- Talented people are the key to our success
- We must challenge the status quo
- Consistent achievement is key to our future
- We operate a decentralised philosophy

PURPOSE

To create **inspiring places** that **enhance** the communities in which we all, live, learn, work, play, care and protect

OUR PURPOSE

To create inspiring places that enhance the communities in which we all…



My Thoughts and Considerations

Dropped Objects

Our new challenge

First Contact

Deliveries/ Off loading/Familiarisation

Its not a crane

Equipment abuse, and incorrect utilisation

Its an Emergency

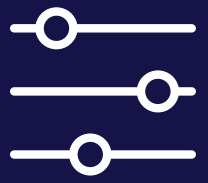
What and how to rescue an operator

Help me Select

The right bit of kit for the task!

Competency

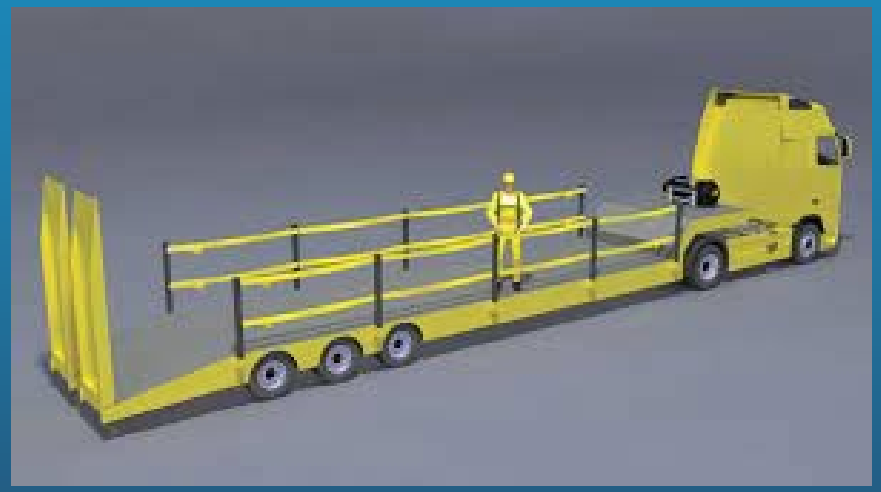
What is competency



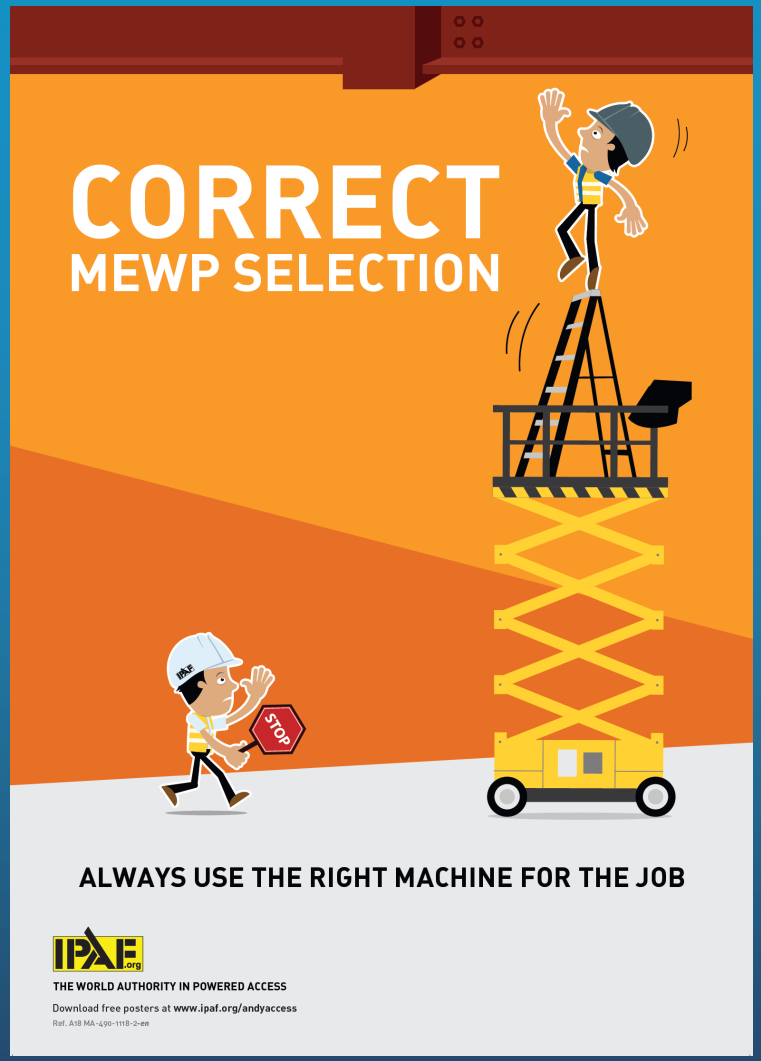
Charging & Fuel

High risk element

First Contact

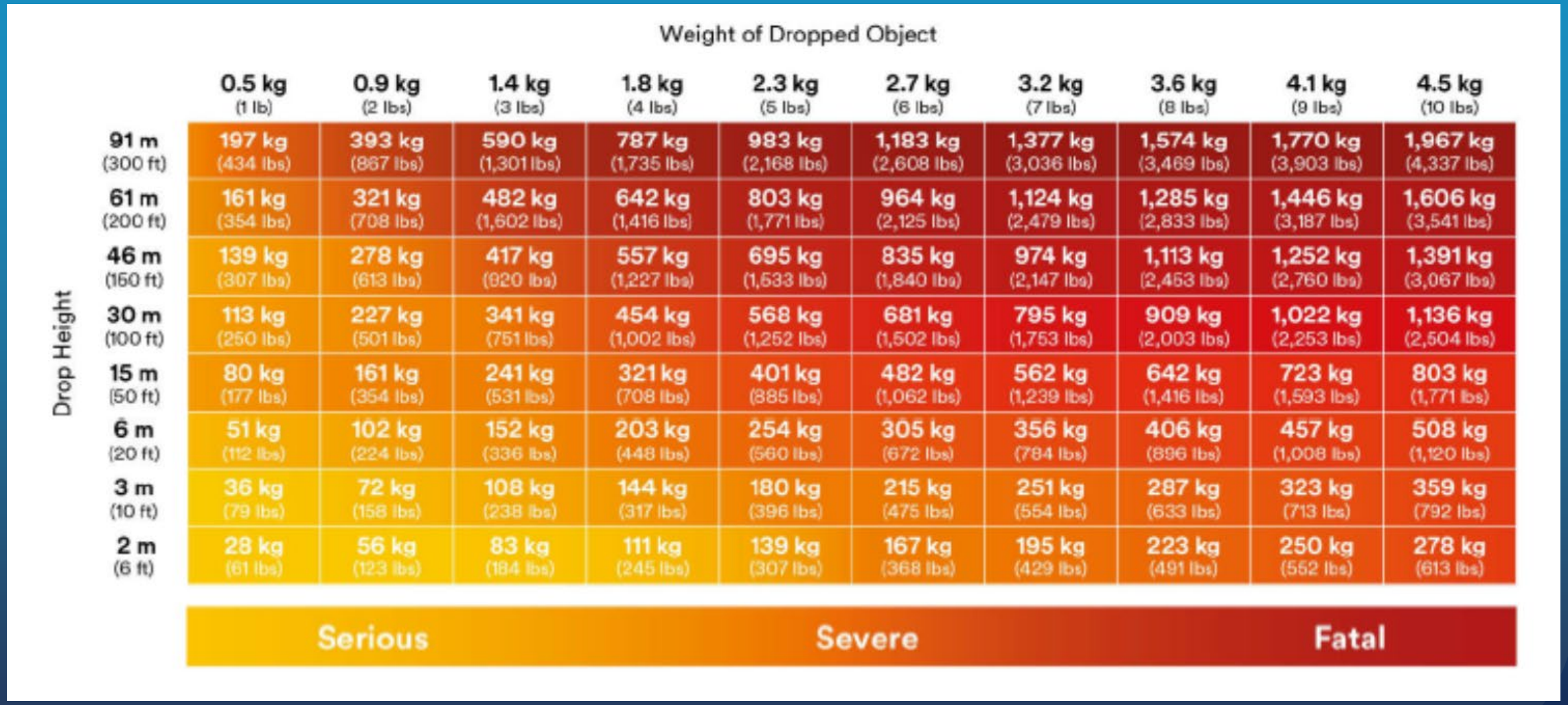


- Safe delivery – planned, managed & Executed.
- Driver competency
- Documentation
- Briefing



Selection of the correct bit of kit is fundamental to the safe and efficient delivery of the task.

Dropped Objects Impact Force!



The average hammer weighs 0.5Kg and would have an impact force of 51Kg if dropped from just 6m, potentially causing serious injury. A 1.75Kg cordless drill dropped from the same height would have a force of around 200Kg

MEWPS

For all MEWPs the following must be implemented to prevent materials and tools from being dropped:

- Focus on containment of equipment within the basket – the basket is not designed for storage of tools and materials:
  - such as SkyScreen basket protection (See image right)
- Use of proprietary handling equipment for MEWPs such as:
  - pipe cradles
  - panel or board carrier
  - cladding brackets

REMEMBER that any accessory added to a MEWP will have an impact on the wind rating – always check with the provider

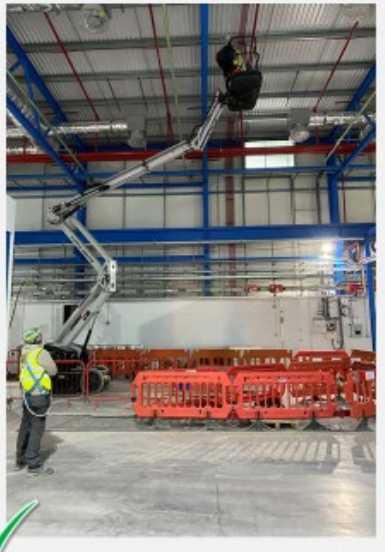
MEWPS

Tool tethering is mandatory when working within any MEWP where the platform is at a height of 2m or more.

In addition to tool tethering, small tools and materials, such as fixings must be secured, solutions such as those below should be considered.

- MEWP tool bags
- Tool pouches

Exclusion Zones must be in place around all MEWP operations to a 5:1 ratio based on the operating height and radius of the basket?



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DON'T USE A MEWP AS A CRANE!

MEWPS ARE DESIGNED TO ELEVATE PEOPLE, TOOLS & EQUIPMENT INSIDE THE WORK PLATFORM

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THE WORLD AUTHORITY IN POWERED ACCESS
Download free posters at www.ipaf.org/andyaccess
Ref. A9 MA-741-1118-2-en

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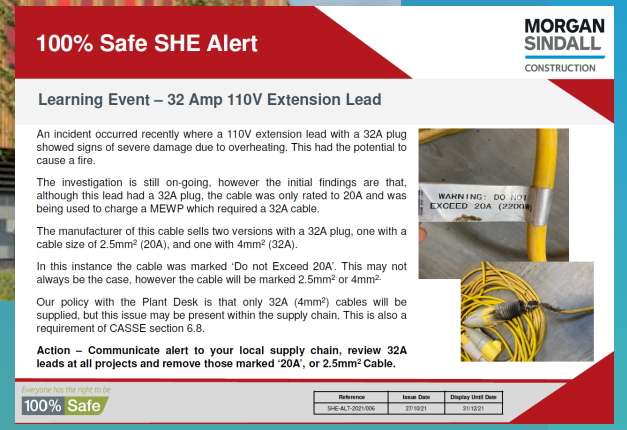
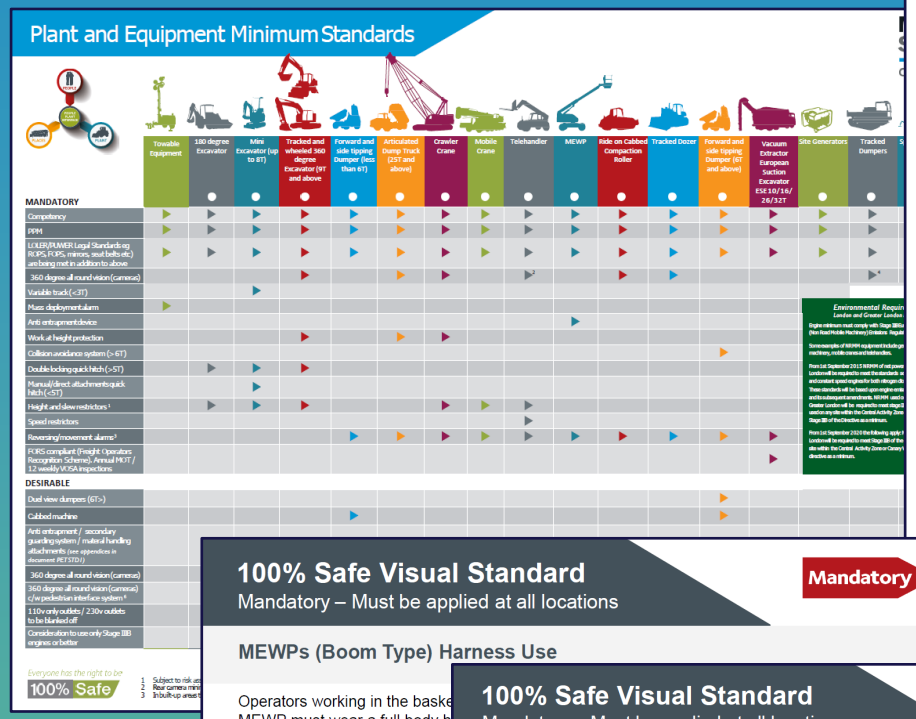
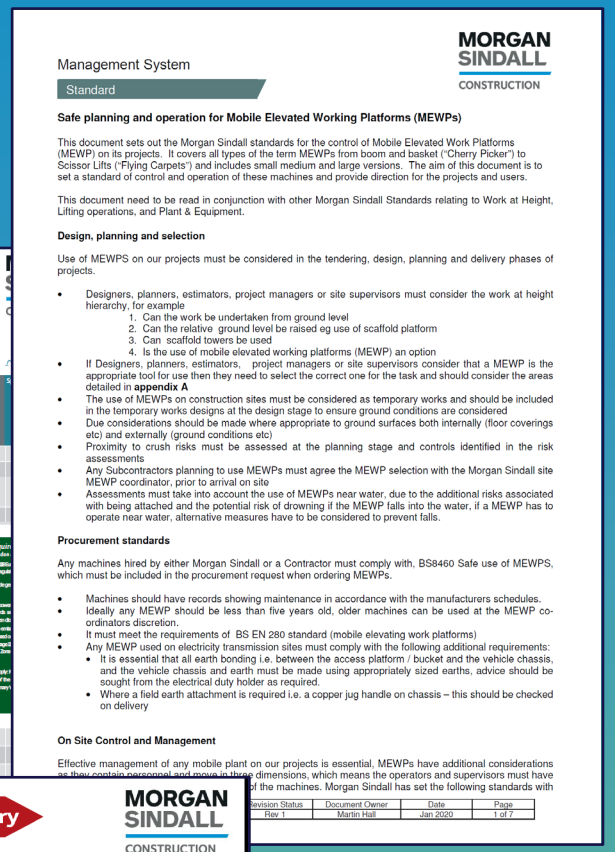
ation of the MEWP as a
ess point during deliveries was
diately stopped.



Electrical fault on 16Kva Transformer
Charging 17 Scissor Lifts in a dedicated charging area
75% building Completed – Complete loss

Minimum Standards




Management System

Standard

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Safe planning and operation for Mobile Elevated Working Platforms (MEWPs)

This document sets out the Morgan Sindall standards for the control of Mobile Elevated Work Platforms (MEWP) on its projects. It covers all types of the term MEWPs from boom and basket ("Cherry Picker") to Scissor Lifts ("Flying Carpets") and includes small medium and large versions. The aim of this document is to set a standard of control and operation of these machines and provide direction for the projects and users.

This document need to be read in conjunction with other Morgan Sindall Standards relating to Work at Height, Lifting operations, and Plant & Equipment.

Design, planning and selection

Use of MEWPS on our projects must be considered in the tendering, design, planning and delivery phases of projects.

- Designers, planners, estimators, project managers or site supervisors must consider the work at height hierarchy, for example
  1. Can the work be undertaken from ground level
  2. Can the relative ground level be raised eg use of scaffold platform
  3. Can scaffold towers be used
  4. Is the use of mobile elevated working platforms (MEWP) an option
- If Designers, planners, estimators, project managers or site supervisors consider that a MEWP is the appropriate tool for use then they need to select the correct one for the task and should consider the areas detailed in **appendix A**
- The use of MEWPs on construction sites must be considered as temporary works and should be included in the temporary works designs at the design stage to ensure ground conditions are considered
- Due considerations should be made where appropriate to ground surfaces both internally (floor coverings etc) and externally (ground conditions etc)
- Proximity to crush risks must be assessed at the planning stage and controls identified in the risk assessments
- Any Subcontractors planning to use MEWPs must agree the MEWP selection with the Morgan Sindall site MEWP coordinator, prior to arrival on site
- Assessments must take into account the use of MEWPs near water, due to the additional risks associated with being attached and the potential risk of drowning if the MEWP falls into the water, if a MEWP has to operate near water, alternative measures have to be considered to prevent falls.

Procurement standards

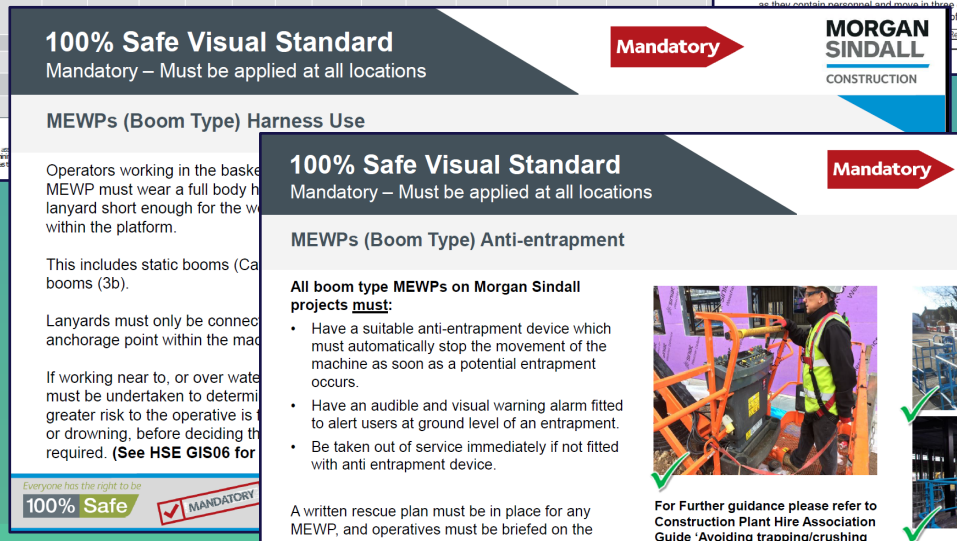
Any machines hired by either Morgan Sindall or a Contractor must comply with, BS8460 Safe use of MEWPS, which must be included in the procurement request when ordering MEWPs.

- Machines should have records showing maintenance in accordance with the manufacturers schedules.
- Ideally any MEWP should be less than five years old, older machines can be used at the MEWP co-ordinators discretion.
- It must meet the requirements of BS EN 280 standard (mobile elevating work platforms)
- Any MEWP used on electricity transmission sites must comply with the following additional requirements:
  - It is essential that all earth bonding i.e. between the access platform / bucket and the vehicle chassis, and the vehicle chassis and earth must be made using appropriately sized earths, advice should be sought from the electrical duty holder as required.
  - Where a field earth attachment is required i.e. a copper jug handle on chassis – this should be checked on delivery

On Site Control and Management

Effective management of any mobile plant on our projects is essential, MEWPs have additional considerations as they contain personnel and move in three dimensions, which means the operators and supervisors must have of the machines. Morgan Sindall has set the following standards with

Revision Status	Document Owner	Date	Page
Rev 1	Martin Hall	Jan 2020	1 of 7


100% Safe Visual Standard

Mandatory – Must be applied at all locations

Mandatory

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MEWPs (Boom Type) Harness Use

Operators working in the baske
MEWP must wear a full body h
lanyard short enough for the w
within the platform.

This includes static booms (Ca
booms (3b).

Lanyards must only be connec
anchorage point within the mac

If working near to, or over wate
must be undertaken to determi
greater risk to the operative is
or drowning, before deciding th
required. **(See HSE GIS06 for**

Everyone has the right to be 100% Safe

MANDATORY

100% Safe Visual Standard

Mandatory – Must be applied at all locations

Mandatory

MORGAN SINDALL CONSTRUCTION

MEWPs (Boom Type) Anti-entrapment

All boom type MEWPs on Morgan Sindall projects must:

- Have a suitable anti-entrapment device which must automatically stop the movement of the machine as soon as a potential entrapment occurs.
- Have an audible and visual warning alarm fitted to alert users at ground level of an entrapment.
- Be taken out of service immediately if not fitted with anti entrapment device.

A written rescue plan must be in place for any MEWP, and operatives must be briefed on the requirements, and drills undertaken and recorded.

For Further guidance please refer to Construction Plant Hire Association Guide 'Avoiding trapping/crushing injuries to people in the platform'

Everyone has the right to be 100% Safe

MANDATORY

Pat Boyle
Managing Director
Construction

Document Reference	Revision	Date	Document Owner
SHE-VIS-004	Rev 1	July 20	M. Hall

What Next - else

'I don't know what I don't know until you try and sell it to me'

Link to A3 Film – Separate file.

Q&A

Everyone has the right to be

100% Safe

Safe places

Safe choices

Safe relationships

Safe by design

Safe lives