

## Entertainment Webinar 7<sup>th</sup> July 2022



Lifting Equipment Engineers Association





This webinar forms part of the activities scheduled for Global Lifting Awareness Day (GLAD)

Get involved!

#GLAD2022 globalliftingawarenessday.com

Lifting Equipment Engineers Association





5<sup>th</sup> & 6<sup>th</sup> October

Registration now open liftex.org/liftex-aberdeen

**Lifting Equipment Engineers Association** 



Paul Fulcher, Managing Director, Rigging Services

## Post Covid - Rigging training requirements for new recruits working in the Entertainment Sector

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#### Post-Covid training requirements for new recruits working in the Entertainment Sector

- Covid effect on the entertainment sector.
- Always been a training need
- Particular need to train new-comers.
- Why?





# The entertainment sector is quite unique. **Rigging Services GLAD 2022**





### The need for training





#### Formal training can:

- Fill in any gaps in current knowledge
- Inculcate best practice
- Communicate correct information
- Develop a culture unique to the entertainment industry





#### Post-Covid training requirements for new recruits working in the Entertainment Sector End





Matthew Wheeler - Rigging Compliance Supervisor, National Theatre, London

## Design Artistic Needs And Lifting equipment

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#### **Matthew Wheeler**

Rigging Compliance Supervisor, National Theatre, London

# Design, Artistic Needs And Lifting equipment

#### Summary of show development

White card -

Basic Model demonstrating staging and concepts for scenic elements.

Feasibility -

Technical departments cost and analyze information to inform creative team of 'Feasibility of the show'

**Model Showing -**

Development of white card allowing for feasibility and any changes the director and creative require

Pre-Prod/Fit up -

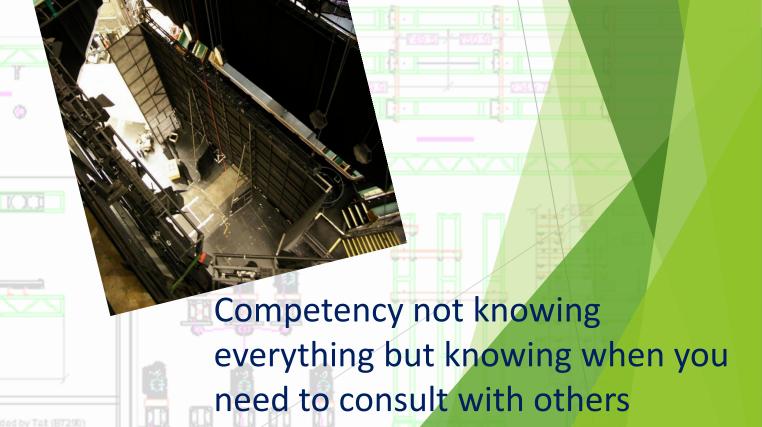
Scenic elements are rigged prepared for stage including lighting, sound and AV

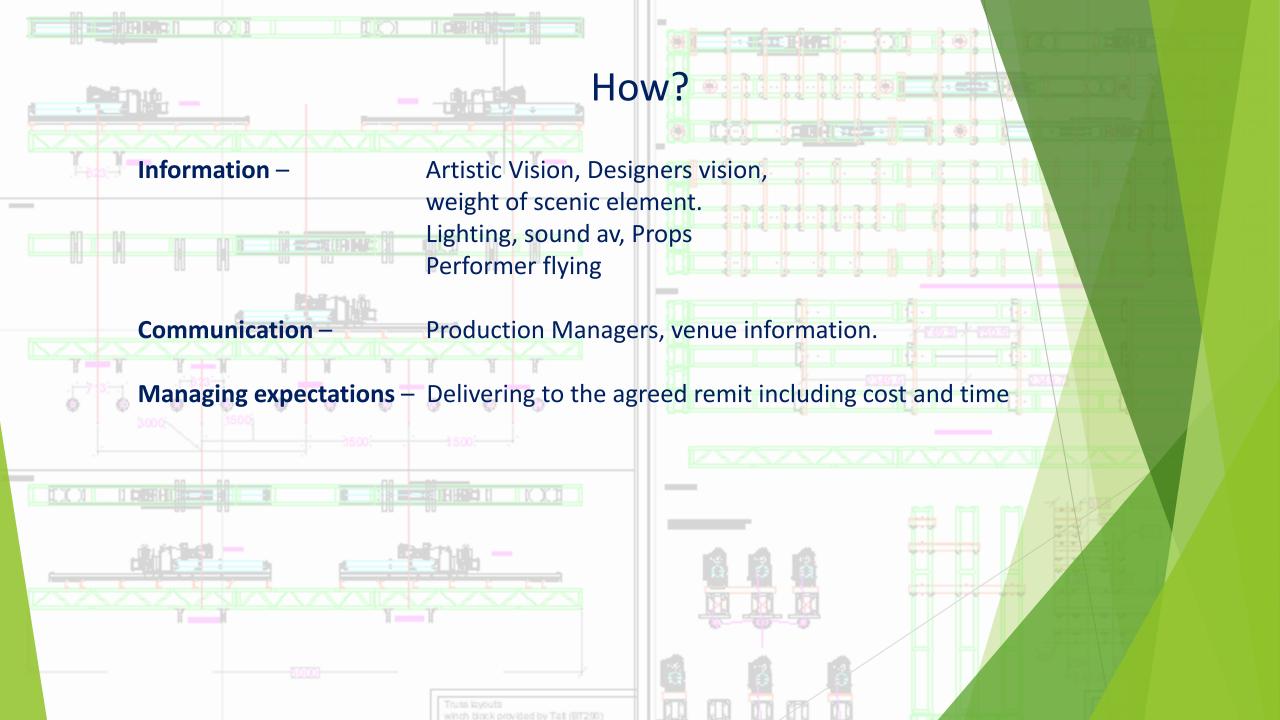
Previews -

Opening Night/Press Night.

#### Spot/Role of the Rigger

Many solutions used within the industry require an indepth understanding of the equipment and the designer's vision, so that the delivered solution meets their needs whilst maintaining a safe system of work.





#### Information

What informs our role in delivering a solutions?

Each scenic element will require its own set of parameters and the factors for each element need consideration.

- Weight
- Speed/method of lift
- Position on stage
- Construction method
- Is it live flown
- How do the cast interact with it.
- Artistic needs/vision
- Additional lighting and sound fixtures

These then enable the correct safety protocols and standards to be applied to rigging and works. Informing cost, time and equipment.

The Riggers biggest problem???

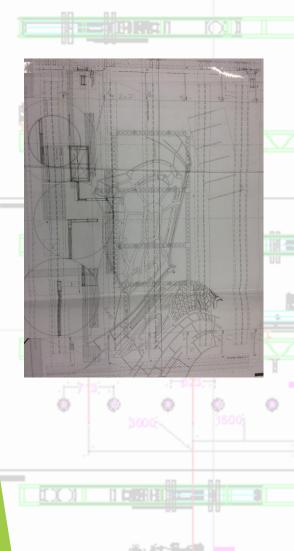
#### Communication

If we take on all board all the information
The rigger needs to be able to communicate with
everybody involved in the production and this is a two
way street.

bsi

Typically focused through the production manager but there may be a requirement to liaise and work directly with the designers/creative team.

Who needs to know what, when and how? The designer need for information will be different to that of the production manager.



#### **Managing expectations**

As the rigger you need to ensure you meet and deliver the needs of the production, you have gathered the information and been involved with the shows development. Importantly the deliverables need agreement.

You require this flown element to complete the cue in 30 seconds, I can offer a window of 23 to 120 seconds with the proposed equipment.

Delivering to the agreed remit including cost and time



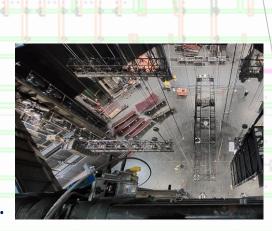
### Problem Solving Rigging the Dark Art

Rigging in theatre is often out of sight so out of mind.

The lifting gear must be operating inline with best practice your safety protocols.

Artistically a faulty speaker or lighting fixture which fails may have an immediate artistic impact. The lifting gear normally works unseen but does require our full attention, and the very fact its often unseen can mean riggers must also manage the ongoing expectation for maintenance during the shows run not only the

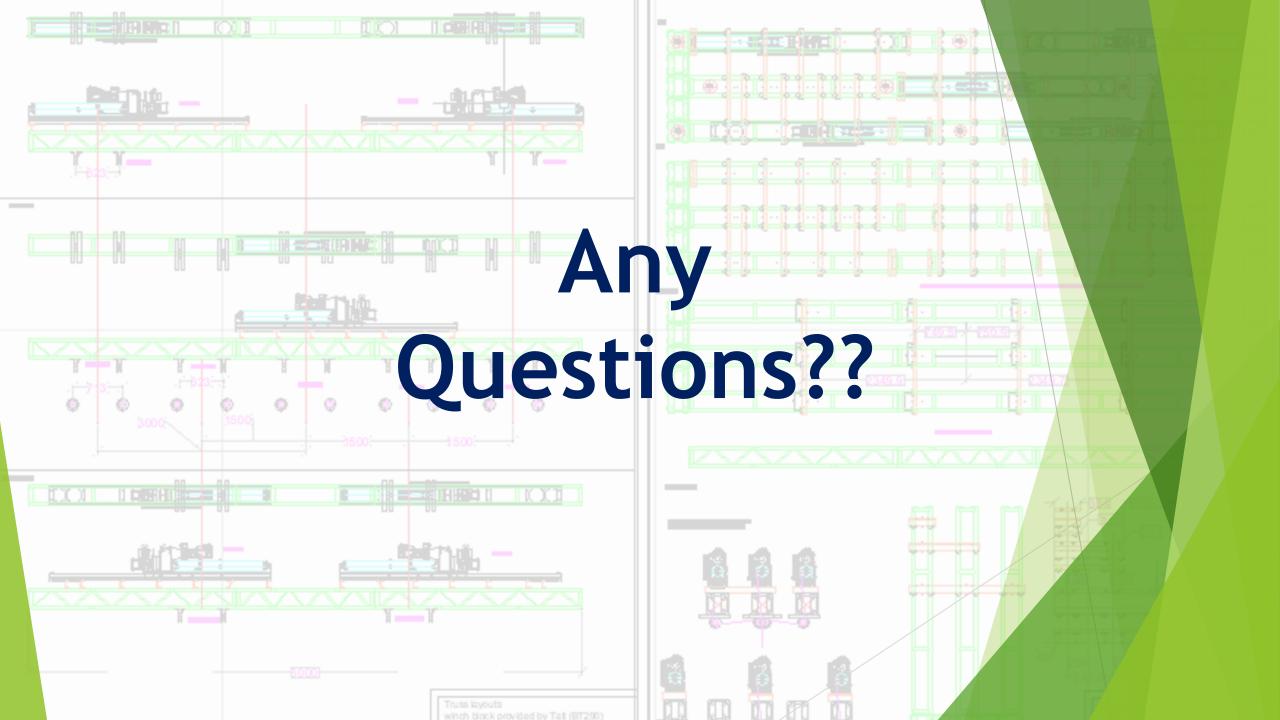
immediate during fit up.













Keith Tonge - Technical Services, LEEA

## GLAD 2022 Entertainment Technology Setting the Stage

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#### LEEA - Technical Services



Provide Advice and Guidance

- Technical Committee, Working Groups
- Publications, Guidance Documents, FAQs, Triage System
- Actively participate in ISO, CEN, BSI & ASME Standards committees

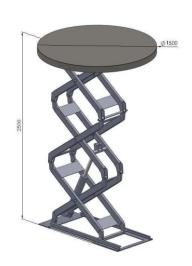
#### **Entertainment Technology - Setting the Stage**

- So why is lifting important to the Entertainment Industry?
- Standards Help to offer a consistent approach
- Published standards that you should be aware of
- Standards that are in development



#### **Entertainment Technology Standards**

Globally there are many standards available



 Recently published EN 17206:2020 Entertainment technology — Machinery for stages and other production areas — Safety requirements and inspections

• EN17206:2020 is currently under review to address comments received and to attain harmonised status

#### **Entertainment Technology Standards**

- prEN 17206-2 Entertainment technology Machinery for stages and other production areas Part 2 — Safety requirements for stands and truss lifts of stands.
- prEN 17795-5 Entertainment Technology Codes of Practice -Part 5: Lifting and motion Operations in the Event Industry
- prEN 17206-3 Part 3 Unmanned aircraft systems (UAS) for stages and other production areas — Safety requirements and inspections

#### **Entertainment Technology Standards**

• EN 17115 Entertainment technology - Specifications for design and manufacture of aluminium and steel trusses



#### **LEEA Technical Services**

• Technical enquiries: technicaladvice@leeaint.com

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#### Thank you

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Dave Tucker - Senior Training Specialist, LEEA

#### **End User Guidance**

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## Duty Holder Responsibilities for Owners of Lifting Equipment

- Usually the employer / self employed person
- Can be delegated to a SME / responsible person or organisation
- Correct selection of lifting equipment
- Regular inspection and maintenance programs
- Suitable instruction and training to all members of staff

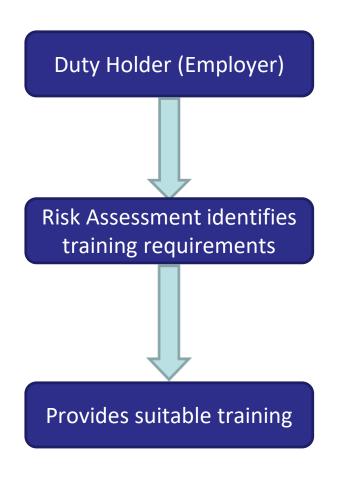


## Responsibilities for End Users of Lifting Equipment

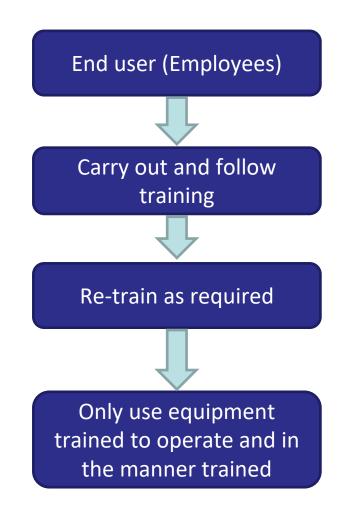
- Comply with instruction from employer and the supplier
- Only to use equipment trained to operate and in the manner trained
- Ethical / mature / professional attitudes



#### **Training and Safe Use**



- Keeps everyone safe
- Helps all comply with legal requirements
- Used to reduce work place risks and hazards





#### Inspection – Pre-use

- End user inspection to ensure equipment is still serviceable and safe
- Normally limited to visual / functional inspection
- Maturity to seek advice or report to competent person if unsure

#### **Inspection - Interim**

 Based on risk assessment – duty cycle of equipment and environmental conditions

 Concentrates on safety critical areas – high wear and tear, open to the elements

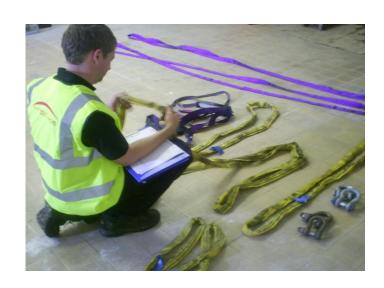
May include more in-depth testing / inspection procedures

#### Inspection – Thorough Examination

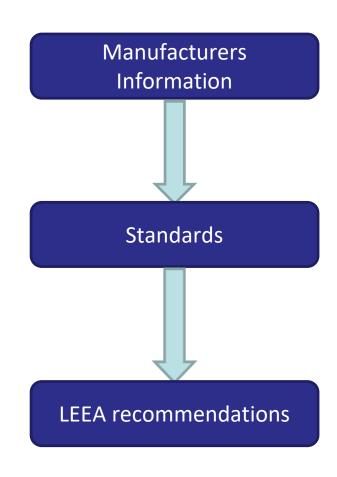
- Carried out by a qualified competent person
- Intervals dependent on equipment type and regional legislative requirements
- Competent person decides on the tests required to come to a decision (Pass / Fail)



#### Inspection of Lifting Equipment













#### **Lifting Operations Supervisor**



- Suitably trained, qualified and competent
- Plans, carries out and supervises all lifts
- Reduces workplace accidents



#### Disposal of Lifting Equipment



- Owner / end user responsibility
- Disposed in a responsible manner
- All tags / labels should be removed prior to disposal and records amended

#### QUARANTINED

Signed ......

Date



#### Questions?





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#### Entertainment Webinar

Thank you for your time
Ross Moloney ross.moloney@leeaint.com

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