



Scottish Housebuilders H&S Forum

Forsyth of Denny – Safe use of cranes

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Agenda

- About FOD
- Pre-Planning and Training
- CPA Contract Lift vs CPA Crane Hire
 - Responsibilities
- What is a *Safe Lift*?
 - What is the price on H&S
 - Hiab's and lorry loaders
 - Allmi / CPA regulation
- Conclusion
- Questions



About FOD

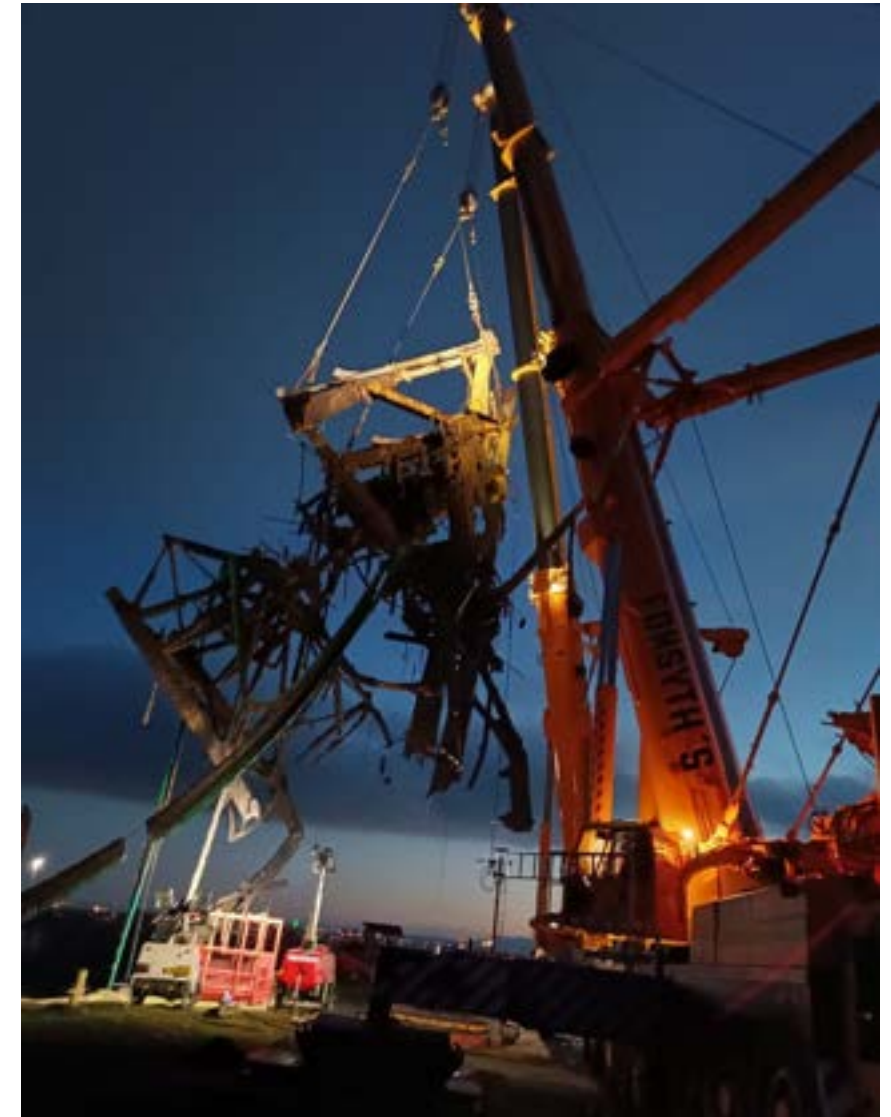
FOD has been Established for over 60 years in the crane hire industry, we provide professional transport and mobile crane hire solutions throughout the UK.

We have depots strategically located across central Scotland to deliver reliable services across all of Scotland and throughout the UK.

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Qualifications and Accreditations

Forsyth of Denny have invested heavily in both operational and intellectual assets in recent years and are proud to have the following qualifications and accreditations.

Accreditations:

- ISO 9001 – QUALITY MANAGEMENT SYSTEMS
- ISO 14001 – ENVIRONMENTAL MANAGEMENT SYSTEMS
- ISO 45001 – OCCUPATIONAL HEALTH AND SAFETY

Audited and approved by:

- FORS
- Constructionline
- Achilles
- Builders profile
- SSIP Acclaim
- Comply works

Members of:

- Logistics UK (FTA)
- CPA
- Allmi
- SPOA (Scottish Plant Owners Association)
- Renewables UK
- CIWM – Chartered Institution of Wastes Management
- CIWEM - Chartered Institution of Water and Environmental Management



Pre-Planning and Training

Proper Planning Prevents Poor Performance

Health & Safety Starts from the Top

Health and Safety must be driven from the top down. Effective H&S begins before the crane even arrives on site.

We ensure that all personnel understand the potential risks and hazards associated with the workplace, we create a safer and more controlled working environment.

Our priority is to ensure that every member of staff is fully prepared, properly briefed, and confident in the procedures and controls required to work safely.

All crane operatives must:

- Conduct a successful medical
- Hold a CPCS or NPORS qualification
- Have conducted manufacturer training and familiarisation



Pre-Planning and Training



CPA Contract Lift vs CPA Crane Hire

CPA (Construction Plant-Hire Association) Crane Hire. Customer has the duty to:

CPA Crane Hire involves the hire of a mobile crane, along with a competent operator.

The overall responsibility for the safety of the lift operation lies with the customer, who is required to plan and execute the lift.

This includes:

- Selecting the correct crane type and capacity
- Appoint a competent Appointed Person (AP)
- Plan and supervise the lift in accordance with BS 7121 and LOLER
- Provide Lift Plan, RAMS and permits as required
- Ensure competent lifting personnel are in place
- Specify required lifting accessories – slings, chains, shackles. (Often supplied by the crane company)
- Check the crane company's competence, certification and documentation

The Crane Company Responsibility:

- Provide a suitable, maintained and thoroughly examined crane
- Provide a competent and appropriately qualified operator
- Provide current inspection and examination documentation
- Report any defects, limitations or safety concerns



CPA Contract Lift vs CPA Crane Hire

CPA Contract Lift.

Customer has the duty to:

- Provide accurate information about the load and lifting requirements
- Provide details of site conditions, access and known hazards
- Ensure suitable site access and working areas
- Identify and communicate site-specific risks and restrictions
- Cooperate with the crane company and follow the agreed lift plan and safe system of work



TAKE TIME TO DO IT SAFELY

The Crane Company Responsibility:

A CPA Contract Lift places responsibility for planning and managing the lifting operation with the crane company. The crane company provides the necessary expertise, equipment and competent personnel to safely execute the lift.

This includes:

- Appoint a competent Appointed Person (AP)
- Plan the lift in accordance with BS 7121 and LOLER
- Produce the Lift Plan, RAMS and relevant documentation
- Select the correct crane and lifting equipment
- Provide a competent and appropriately qualified operator
- Provide competent Crane Supervisor and Slinger/Signaller, as required
- Ensure the crane and lifting accessories are maintained, inspected and thoroughly examined
- Assess ground conditions, crane configuration, load, radius and environmental risks
- Supervise and control the lifting operation
- Stop the lift if conditions become unsafe

CPA Contract Lift vs CPA Crane Hire

Ground Conditions Responsibilities

Who is responsible?



CPA Contract Lift vs CPA Crane Hire

Ground Conditions Responsibilities?

Customer / Site

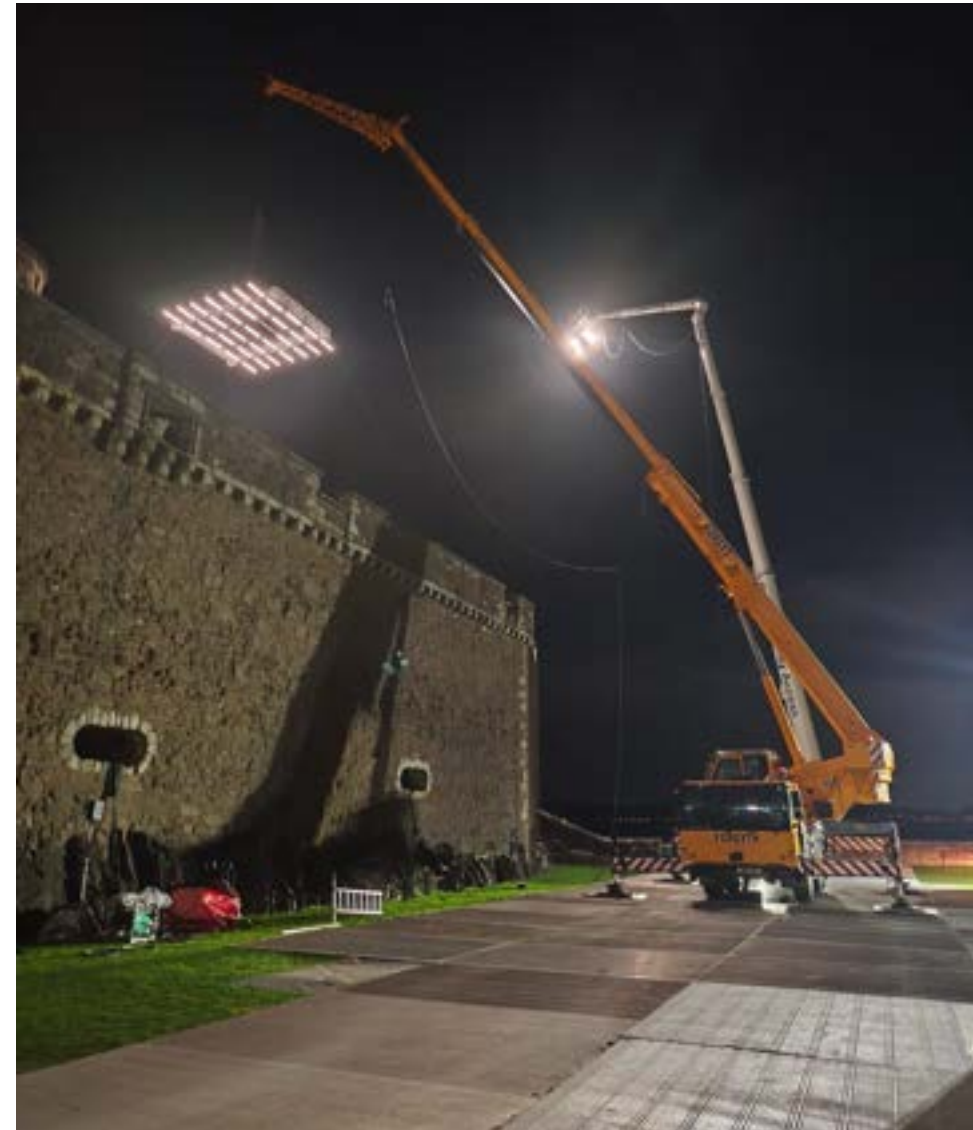
- Responsible for providing and preparing suitable ground
- Provide information on ground conditions and bearing capacity
- Identify underground services, voids, chambers and other hazards
- Ensure the ground can withstand crane and outrigger loads

Crane Company / Appointed Person

- Assess ground conditions as part of the lift planning process
- Determine crane and outrigger loading requirements
- Identify any concerns or additional controls required
- Do not proceed if ground conditions are unsuitable or cannot be verified

Key Message

- The customer must prepare the ground to be suitable for the crane.
- The Appointed Person must ensure the ground is suitable for the planned crane operation.



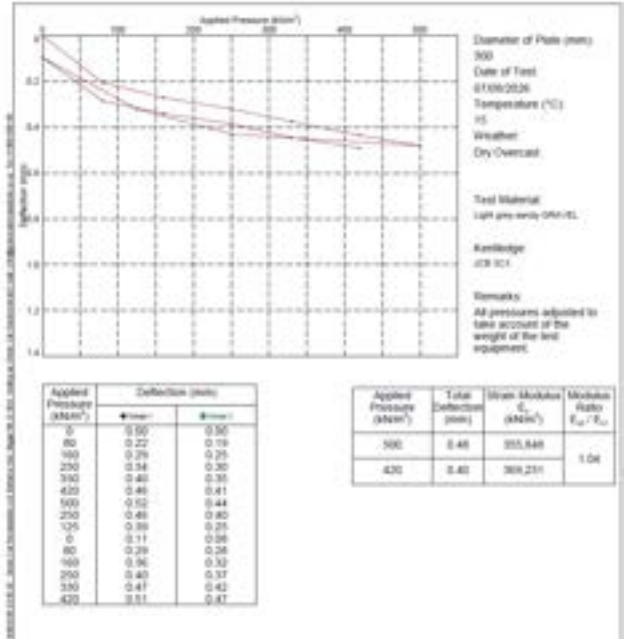
CPA Contract Lift vs CPA Crane Hire

Ground Conditions Responsibilities?

Safe Lifting, starts with Safe Access!

The crane and transport vehicles must be able to safely access the lifting location, including all access roads, entrances, crossings and turning areas.

The lift cannot be considered safe if the crane can reach the lifting area but cannot safely get there.



Example: PTB result applied to 500kN/m2

CPA Contract Lift vs CPA Crane Hire

Material Access/Storage and Overhead lines Responsibilities?

As a basic rule of thumb, HSE advises not working under an overhead power line when a crane, jib, load or other equipment could come within 6 metres of the line without getting specific advice.

Customer / Site

- Positioned so they do not obstruct the crane, outriggers, access routes, emergency routes or exclusion zones.
- Kept away from hazards such as excavations, unstable ground and overhead lines.

Crane Company / Appointed Person

- Ensure the material being lifted can be accessed
- Identify Risks
- Establish the required clearance
- Communicate the risks
- Put physical barriers in place



What is a SAFE-LIFT?

What is the price of Health & Safety?

- The cheapest crane hire is not necessarily the safest lifting solution.
- When price becomes the primary consideration, the cost of proper planning and competent resources can be viewed as an expense rather than critical control against injury, damage, delay and loss of life.

The Cost of Cutting Corners

- In the construction industry, commercial pressure can lead to shortcuts being taken, including using CPA Crane Hire where the complexity of the lift requires a Contract Lift.
- A CPA Crane Hire places the responsibility for planning, supervising and controlling the lifting operation with the Hirer.
- Where the Hirer does not have the necessary expertise, CPA guidance recommends using a competent organisation on a Contract Lift basis



What is a SAFE-LIFT?

ALLMI (Association of Lorry Loader Manufacturers and Importers)

ALLMI: Commercial Pressure vs Safety

Can the Driver Also Be the Lift Supervisor?

Yes...but not simply because they are the driver.

ALLMI has a dedicated **Crane Supervisor qualification**, specifically for lorry-loader lifting operation,

ALLMI allows certain lifting-team roles to be combined where the Appointed Person determines that it is appropriate and the individual has the necessary competence for each role.

The key question is:

Is the driver competent to supervise the lift, or are they simply being asked to supervise to cut corners.



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What is a SAFE-LIFT?

ALLMI / CPA:

“Is it only 1 tonne”

- A dangerous misconception.

1. Weight is a factor.
2. Risk is the combination of all the factors.

For routine unloading of stone/material using a HIAB/lorry loader, the law does not automatically require a separate person whose job title is “Lift Supervisor” or “Slinger.”

HSE says the level of planning and supervision should reflect the complexity and difficulty of the lifting operation. Simple, commonplace lifts may only require minimal on-the-job planning by trained, competent people.

“It’s Only Unloading”

– Another Common Misconception

Routine unloading of stone or materials from a HIAB does not automatically require a dedicated Lift Supervisor or separate Slinger.

However, it is still a lifting operation and must be:

PLANNED / SUPERVISED / CARRIED OUT SAFELY



Conclusion

THE BOTTOM LINE

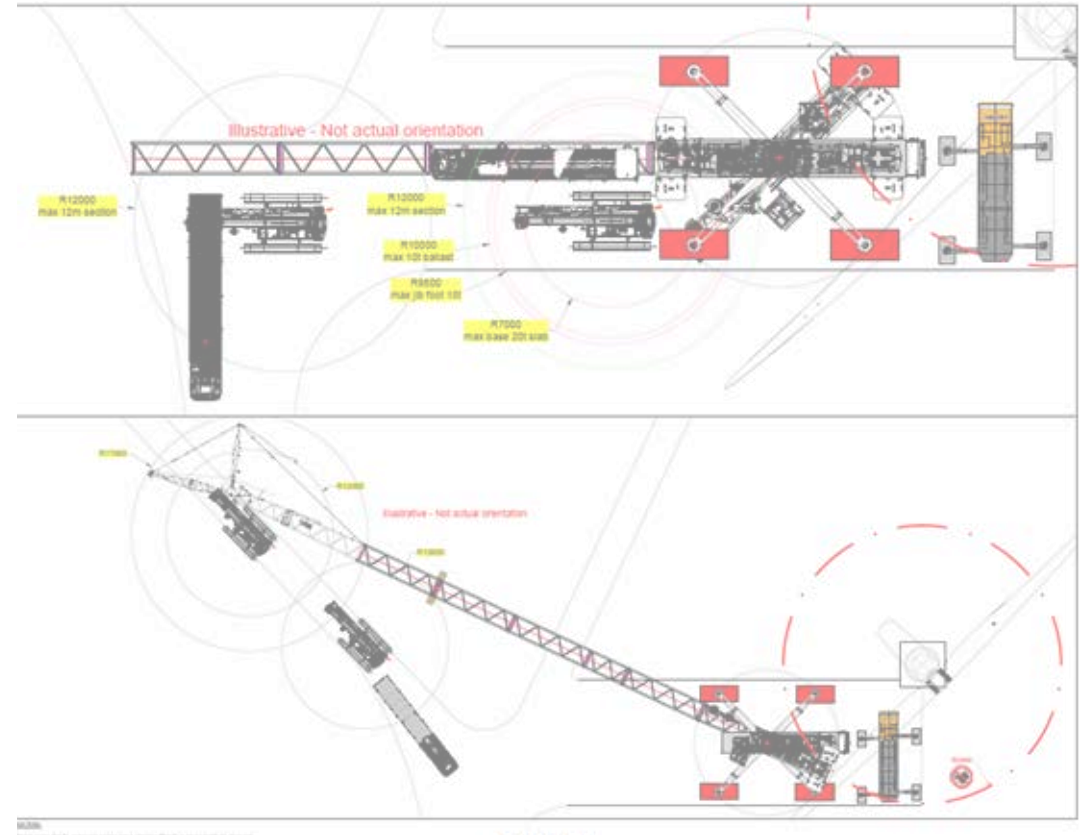
The cheapest lift is not necessarily the safest lift.

The safest lift is one that is properly planned, competently managed and proportionate to the risk.

ASK BEFORE EVERY LIFT:

- Who is planning it?
- Who is supervising it?
- Who is competent to carry it out?
- Is the crane suitable?
- Is the ground and access suitable?
- What happens if something goes wrong?

Safety isn't an optional extra, it is part of the job





Any Questions?

Thank you.

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