



# NASC

Managing the risks of  
working at height

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The logo for 'apse' is a magenta oval containing the word 'apse' in white lowercase letters. The background of the slide features a low-angle photograph of a tall building under construction, completely encased in a complex network of silver metal scaffolding. The sky is a clear, bright blue.

apse

**It won't happen to me!**



# What Can You Do?

- **Consequence vs Return on Investment**
- **Corporate Compliance**
- **Compliance / Design**
- **Individual Competence**
- **What to Look for = Guidance**
- **Weekly Inspection & Site Supervision**
- **Preventing falls**
- **Conclusions**

# The Consequences

- Inconvenience
- Closed site / investigation
- RIDDOR
- Increased insurance
- Significant increased cost
- HSE investigation
- Damaged reputation
- Prosecution
- Corporate manslaughter
- Imprisonment

## Working at height; highest risk activity?



# Three NASC Quality Expectations



## Corporate Compliance

- Corporate entity
- Insurance
- Trained personnel to correct ratio
- Safety Procedures – RAMS / SG4
- Evidence of site working practice
- Technical competence of scaffolding and access



## Compliant Design

- TG20
- TG30
- Bespoke Design & Calculations



## Individual Competence

- 90% carded staff
- 50% scaffolder carded and above
- Advance Scaffolder team leaders
- CPD

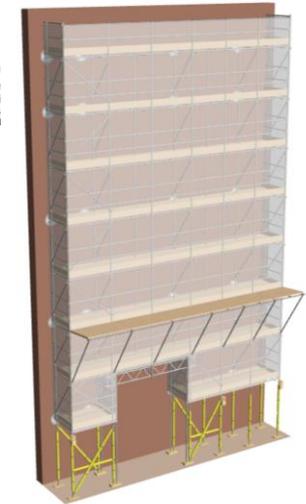
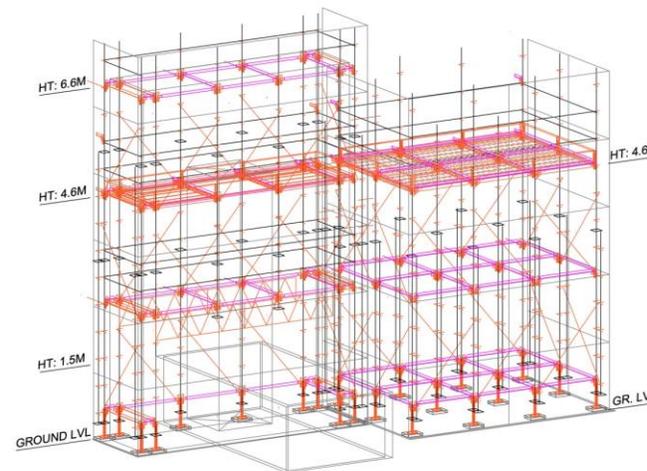
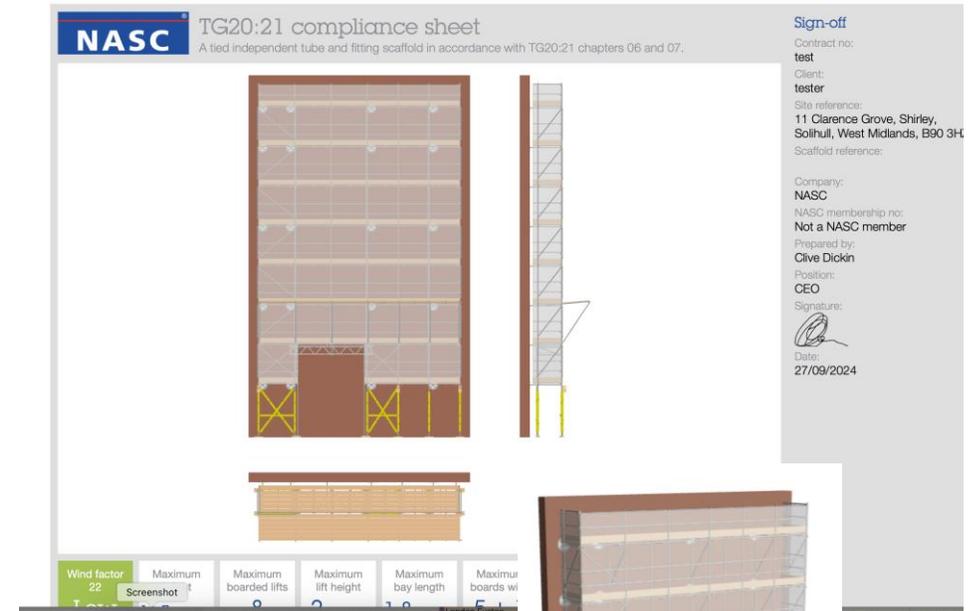
# Step one: Corporate Compliance

- Audited and legal
- 90%+ plus CISRS operatives
- Non-generic accreditation
- Consequences and accountability
- Ongoing support
- Safe operational practices
- Quality of scaffolding – approved products
- Licences and permits
- Handover process
- Weekly inspection
- Modifications to scaffolding
- Ongoing adherence



# Step two: Compliant Design

- The Work at Height Regulations require strength and stability calculations unless a scaffold conforms to a generally recognised standard configuration.
- BS 5975 Management of temporary works, temporary works procedure.
- Use TG20 for tube & fitting scaffolds & TG30 for system scaffolds.
- Basic structures = under 24m
- Over 24m or degree of complexity = design. Up to 50m for Tube & Fit

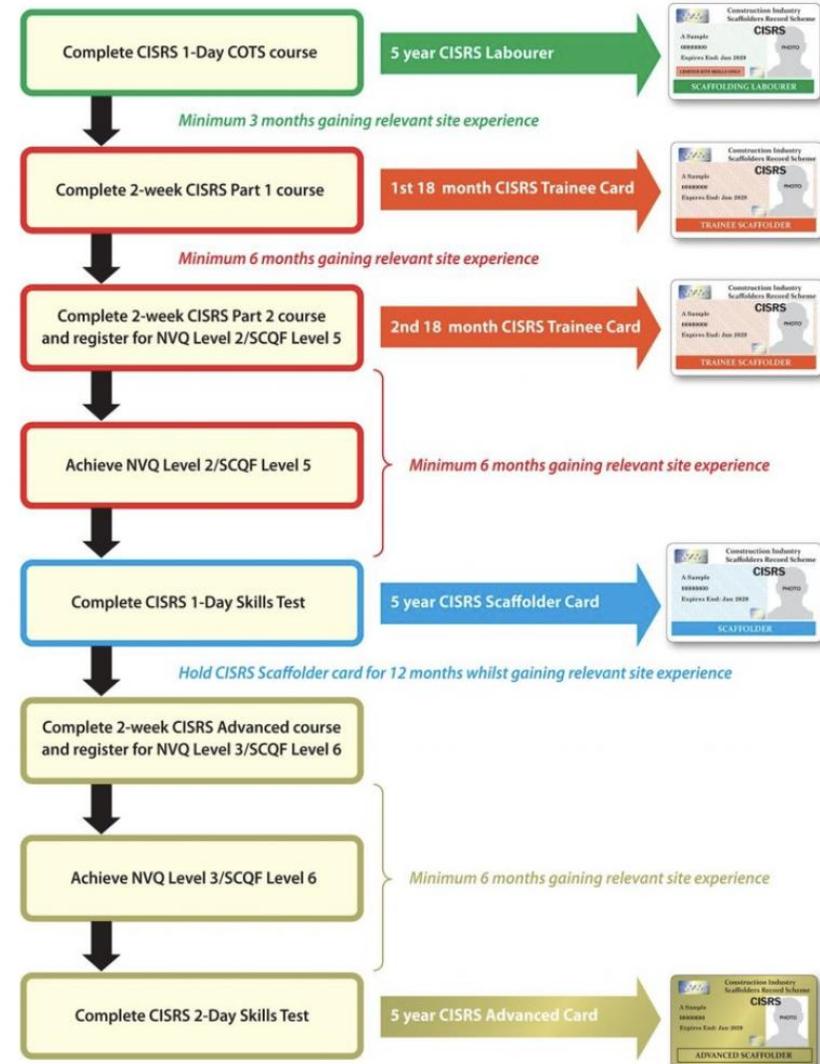


# Step thee: Individual Competence

- Health and Safety Minimum = Green
- Trainees = Red under supervision
- Fully trained Scaffolder = Blue
- Advanced Scaffolder = Gold
- Manager & Supervisor = Gold



## Construction Industry Scaffolders' Record Scheme (CISRS) Scaffolding progression



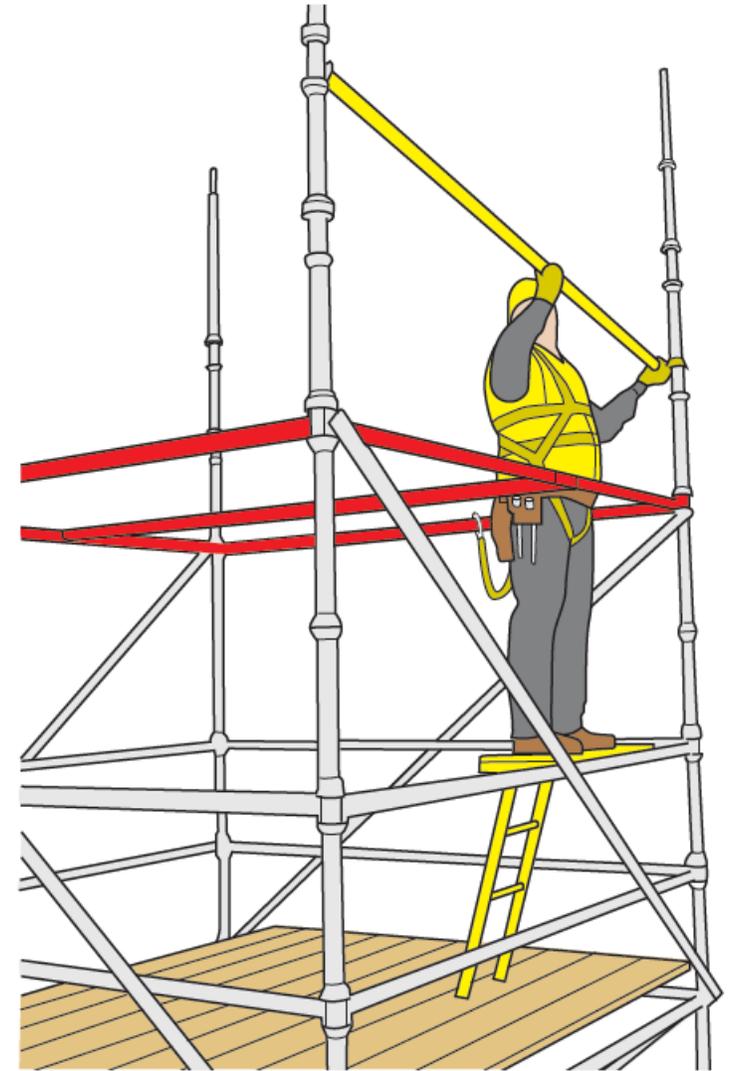


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Preventing Falls  
SG4:22

**The Work at Height Regulations 2005 mandate that employers must properly plan, supervise, and carry out all work at height using competent, trained personnel. Competency is defined by having sufficient knowledge, skills, experience and trained by a competent person.**

### **Key Requirements of Regulations (2005)**

- **Avoidance & Risk Management**
- **Planning & Supervision**
- **Equipment Selection**
- **Inspections:**



## Scaffolders Step | 1000mm lift method

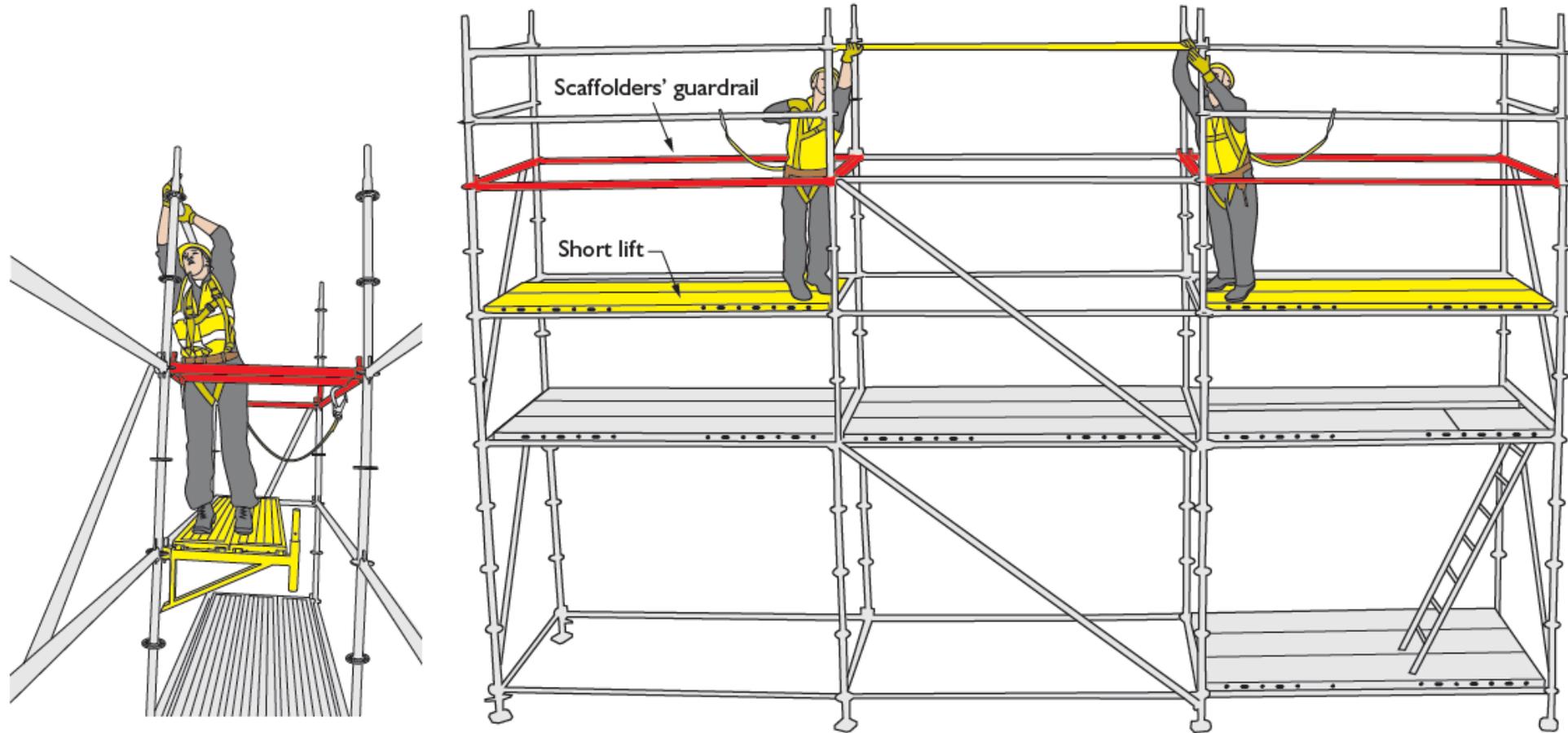
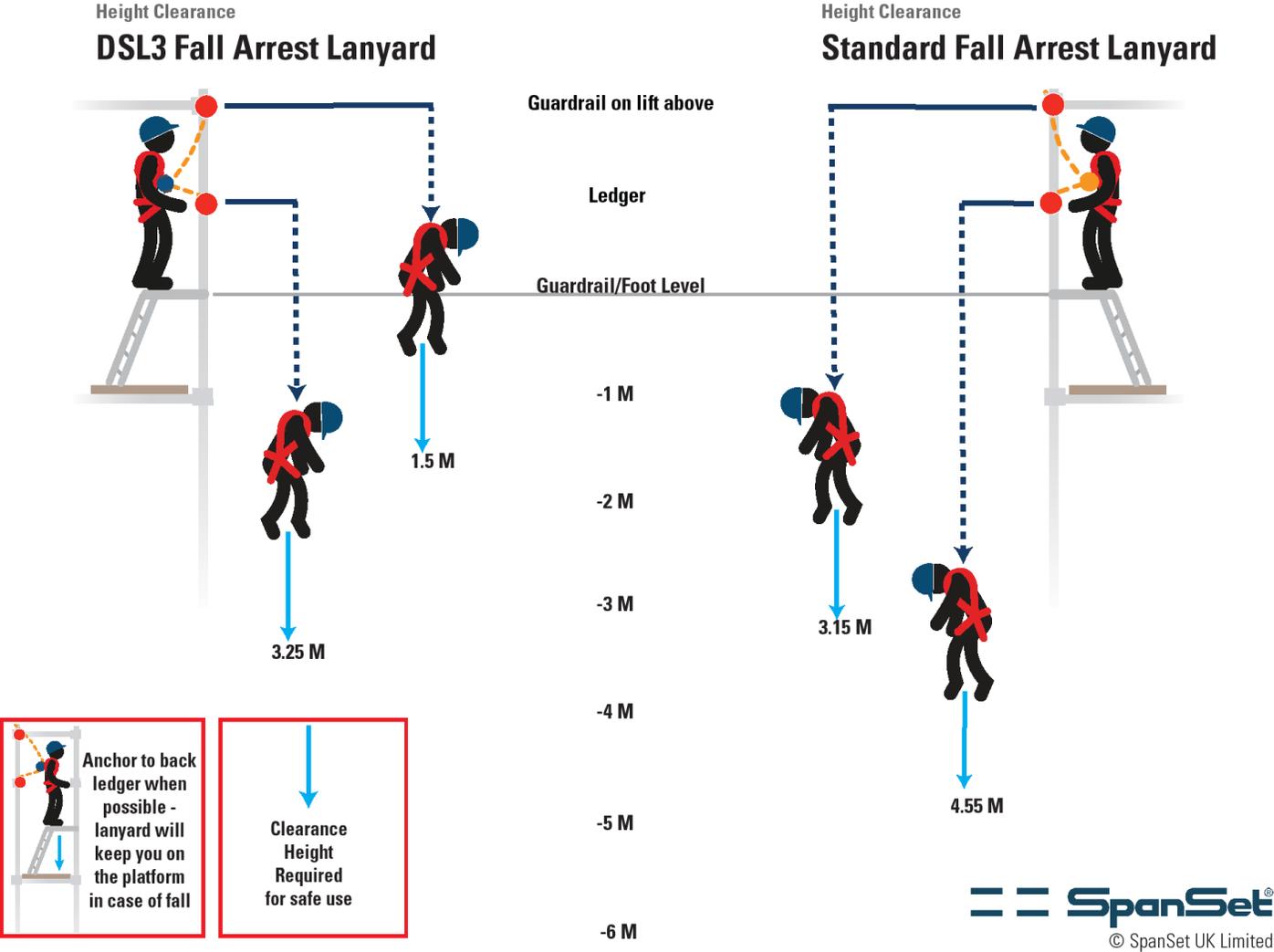


Figure 29: System scaffold side brackets used to create a scaffolders' step platform in alternate bays. The middle bays can be reached from adjacent bays to fix the guardrails.

# Selection of Personal Fall Protection Equipment (PFPE)





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Weekly Inspections

# Scaffold Inspections

- Legal requirement of the Work at Height Regulations 2005.
- Competent Inspector – SG35, CISRS  
Qualification basic scaffold inspector & advanced scaffold inspector.
- Modification = new design or compliance sheet
- Adverse Weather – Contact your contractor
- Daily checks and supervision:
  - Don't amend the scaffolding or access
  - Insist on a design or compliance sheet
  - Check CISRS qualifications
  - Site posters available from NASC

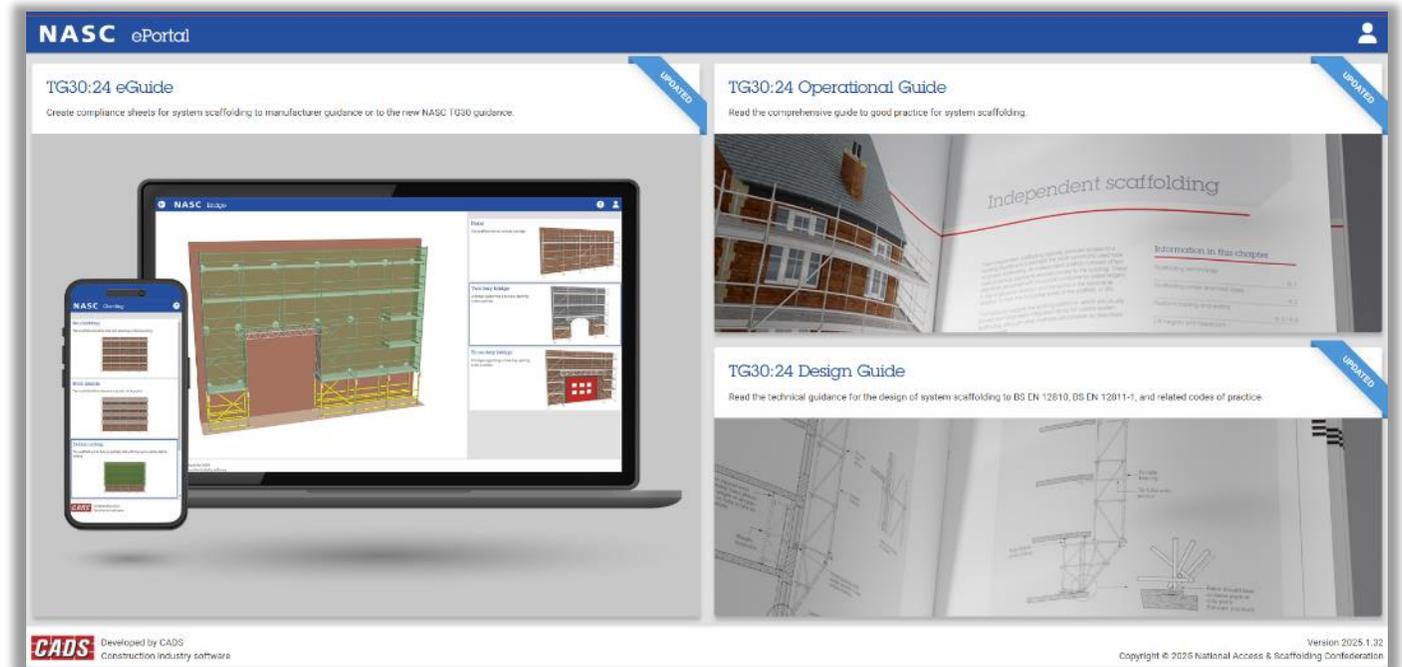




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**TG30 eGuide**

# What is TG30?

- TG30 is a guide to good practice for system scaffolding.
- It was created by NASC in collaboration with system manufacturers and the NASC Technical Committee.
- It is similar in scope to TG20 for tube and fitting scaffolding.
- The guidance consists of the Operational Guide, Design Guide, and eGuide.



# Why TG30 Matters

- The Work at Height Regulations (WAHR) 2005 state that:
  - *“Strength and stability calculations for scaffolding shall be carried out unless [...] it is assembled in conformity with a generally recognised standard configuration.”*
    - **Work at Height Regulations 2005 Schedule 3, Part 2 paragraph 7.**
- TG30 provides standard configurations verified by calculation. System scaffolding erected in compliance with TG30 satisfies the legal requirements of scaffolding under the WAHR 2005.
- This reduces the need for bespoke designs or interpretation of the system manufacturers handbook, which would be required without TG30.
- Having an accessible, visible industry standard helps to improve consistency and safety in scaffolding practices.



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TG30 Demo

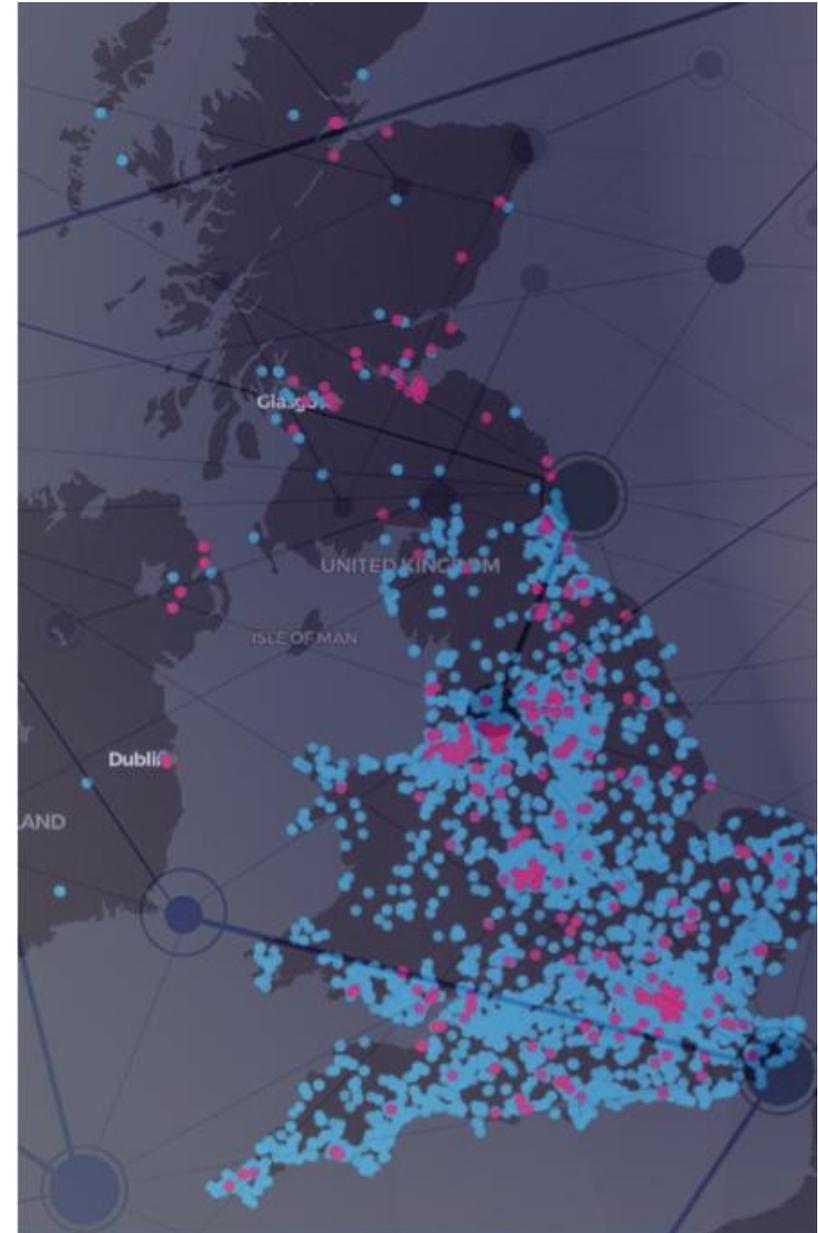
## ePortal National Usage

What can you do?

- Ask your contactor for compliance sheets for your scaffolds.

Why?

- Ensures scaffold is compliant.
- Reduces the requirements for a bespoke design.
- Bespoke and location specific handover tool.
- Keep the scaffold users, tenants, members of the public and scaffolders safe.



# Conclusions

- **Don't buy cheap**
- **Get a design or compliance sheet**
- **Verify the contractor is audited and meets industry recognised standards by HSE**
- **CISRS cards for 90% of work force**
- **Scaffold inspections – don't leave and forget**
- **Keep up to date with changes**
- **Local Authorities join NASC free**

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# NASC

Scan the QR codes for contact details



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**THANK YOU**

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