
Fire safety in construction

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HSE – what do we do?



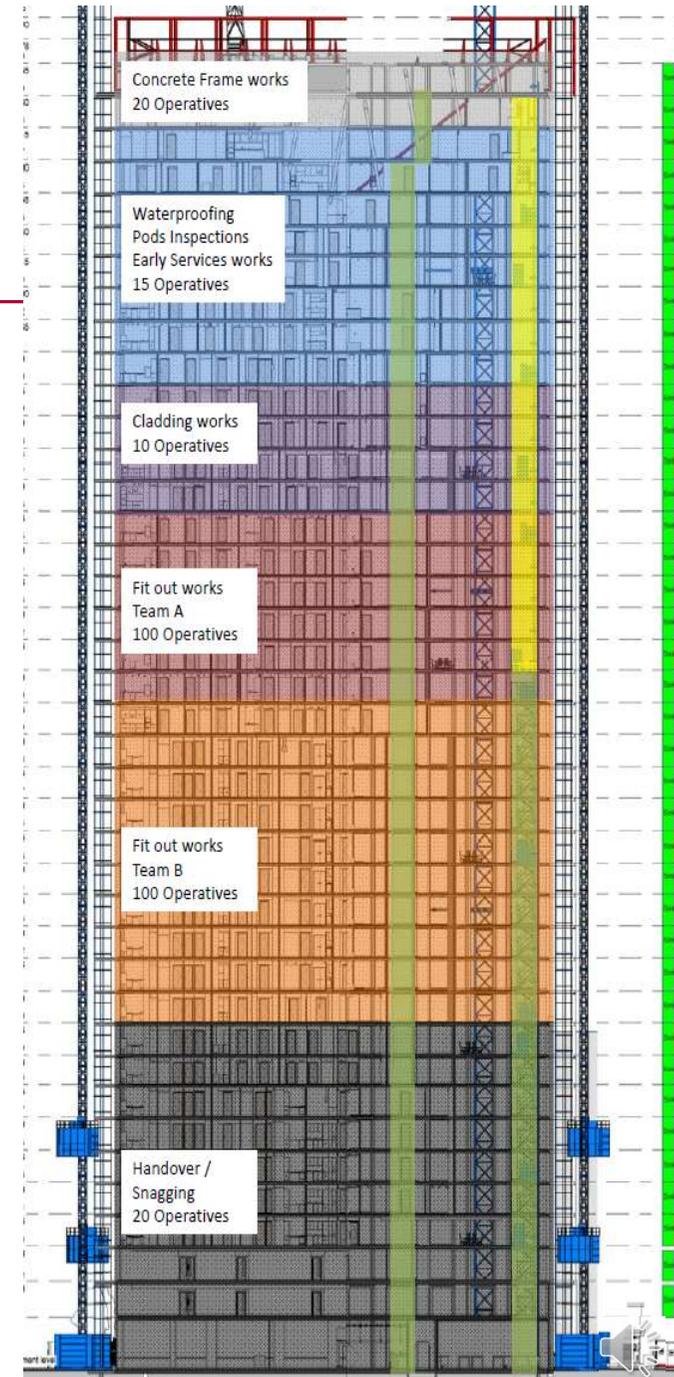
“ The prevention of death, injury and ill health to those at work and those affected by work activities”



HSE and fire safety in construction

Proportionate:

- Numbers workers
- Fire fighting



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Pre-construction phase

Fire expertise used at design stage:

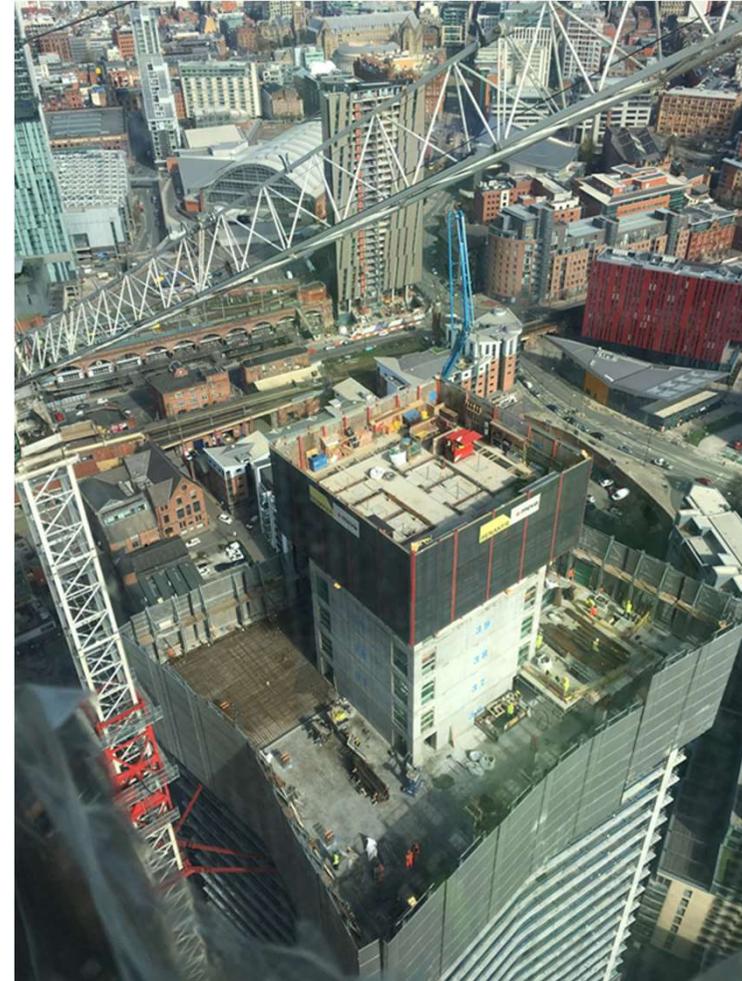
- Address higher fire risk matters
- Consider fire scenarios during construction
 - Products and materials
 - Construction process (hot works and stages of work)
- Eliminate then measures to reduce risk of fire



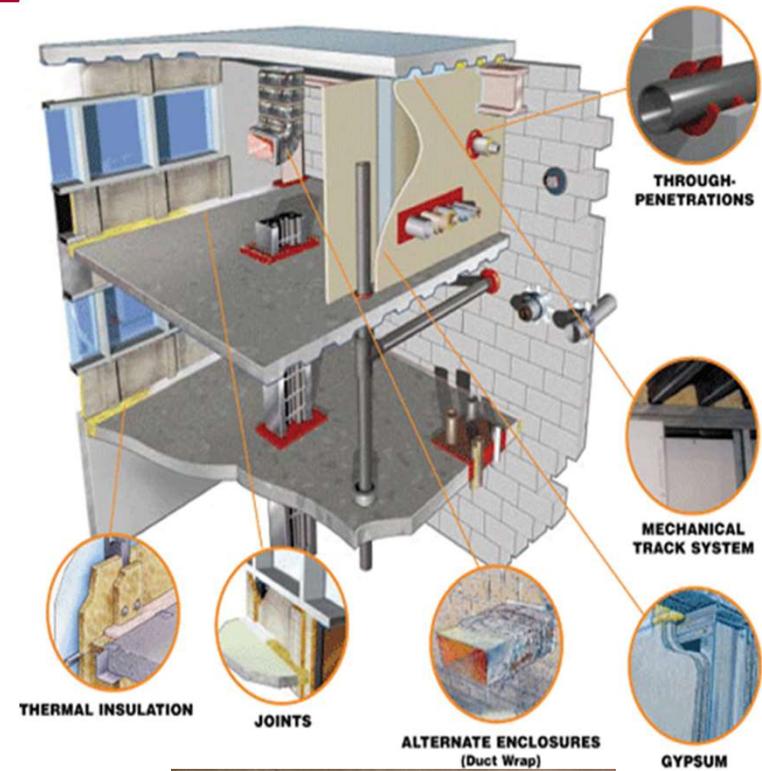
Construction phase



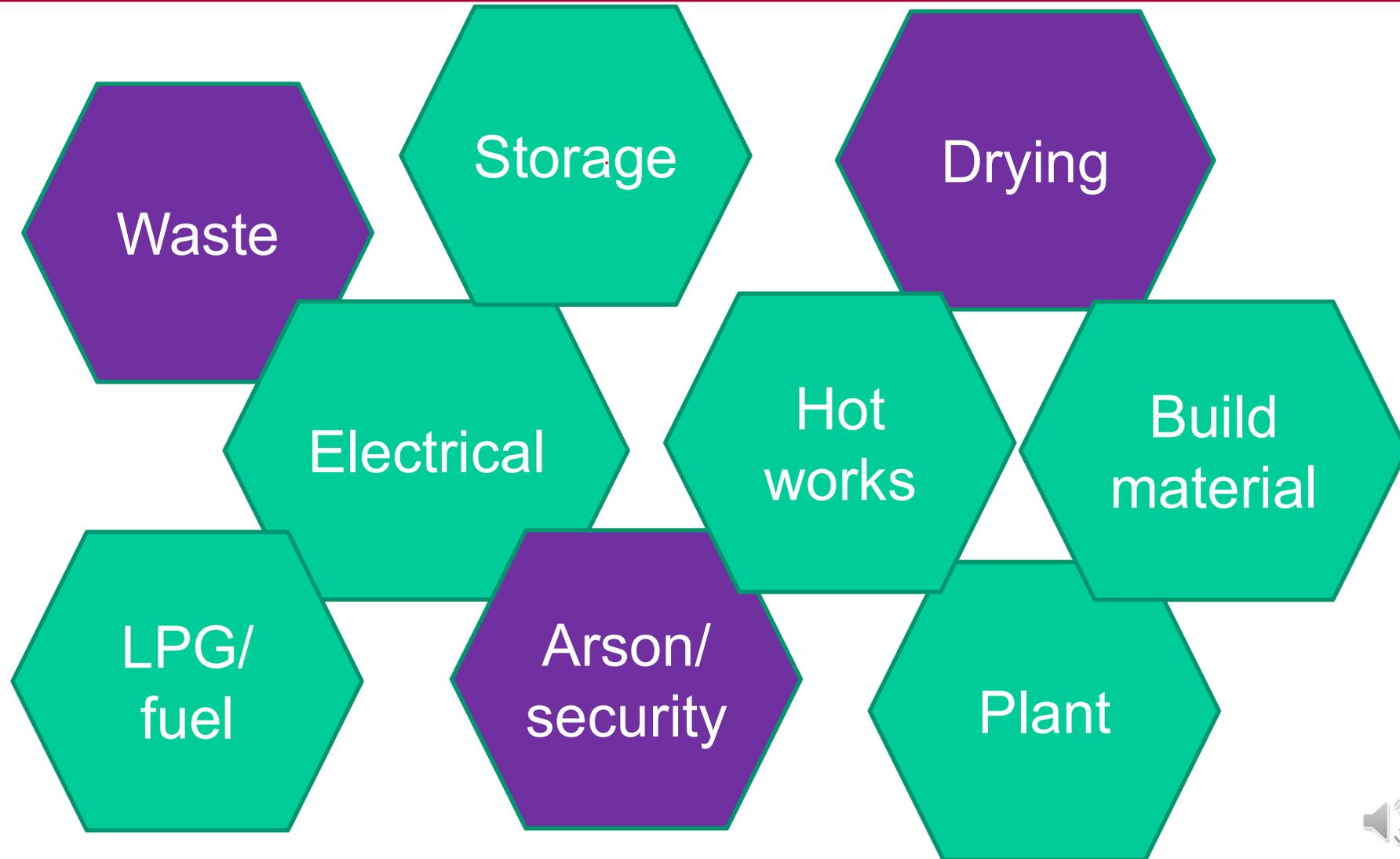
- Site specific and meaningful
- Management arrangements
 - Appoint the right people
 - Document the construction
 - Rigorous inspections of everything, all the time
- Make sure workers can escape



Sequencing and workmanship



What are “Process” fire matters?



Materials – Storage and Waste



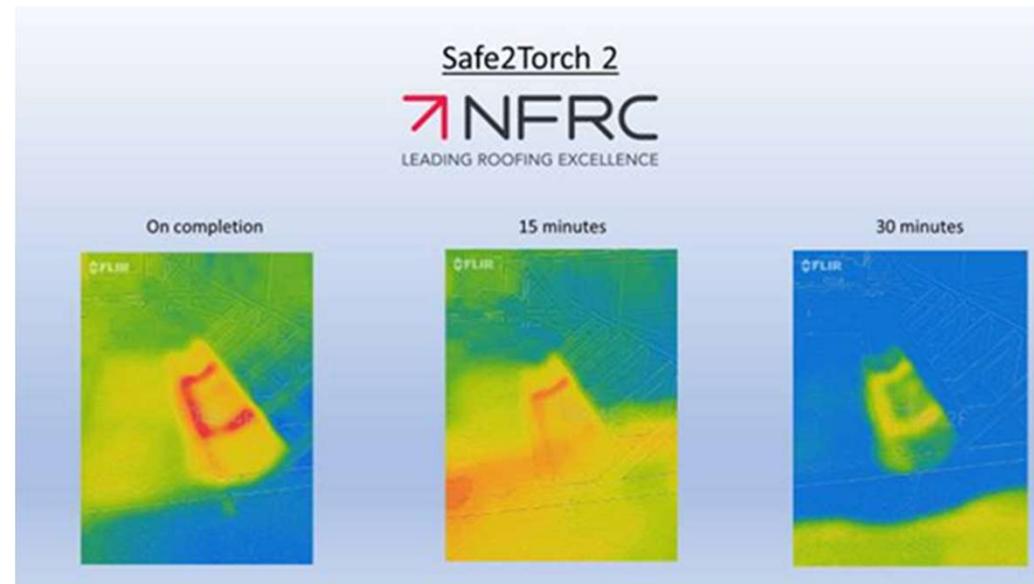
- LPS1207
- Minimise
- Manage



Hot works



- Drying
- Design out
- Preparation
- Inspection
- Permit to work
- Fire watch
 - Thermal imaging



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- Site security
- Site organisation



General fire precautions



- Escape routes
- Additional staircases
- Emergency lighting & signage
- Fire detection and alarms – control panel, response, testing
- Fire fighting lifts commissioned at earliest opportunity
- Early commissioning of dry and wet risers
- Extinguishers



High Rise Residential Buildings



- Building Safety Bill
- In scope
 - 18m or 6 storeys
 - Mixed use
- Approvals
 - Planning
 - Pre-construction (Design)
 - As-built
 - In-occupation
- Provision of information (Golden thread)



Thanks for listening

