



Overview
CROSS purpose and aims
The confidential reporting process, what can be reported and the benefits
The safety information CROSS provides and where to find it

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CROSS scheme timeline

1976

SCOSS founded

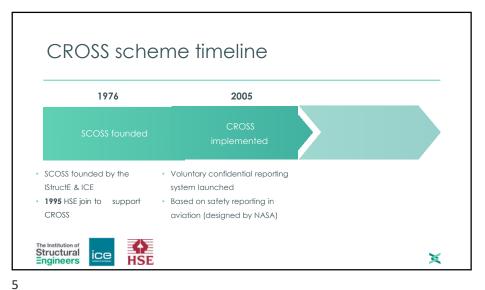
- SCOSS founded by the IStructe & ICE
- 1995 HSE join to support CROSS

The Institution of Structural Ingineers

EXECUTE: The Institution of Structural Ingineers

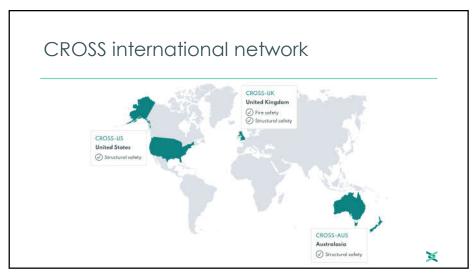
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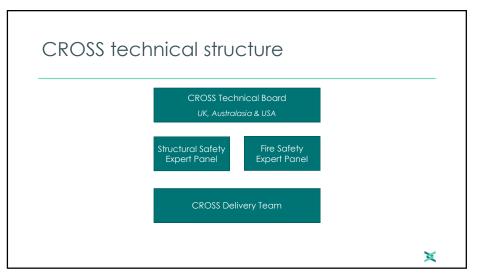




CROSS scheme timeline 1976 2005 2021 · SCOSS founded by the · Voluntary confidential reporting CROSS-UK expands into fire safety -IStructE & ICE system launched supported by IFE • 1995 HSE join to support · Based on safety reporting in · Hackitt review recommendation CROSS aviation (designed by NASA) Relaunch supported by DLUHC HSE The Institution of Fire Engineers Structural Engineers ×

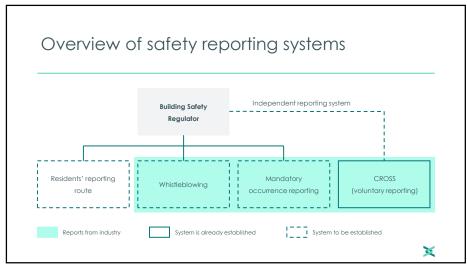
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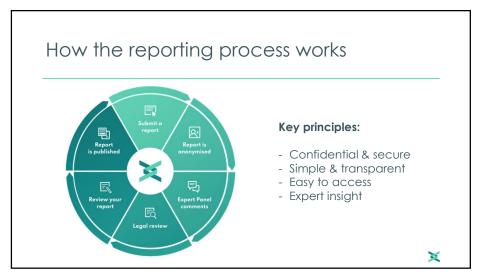




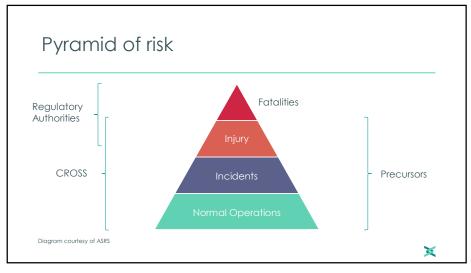


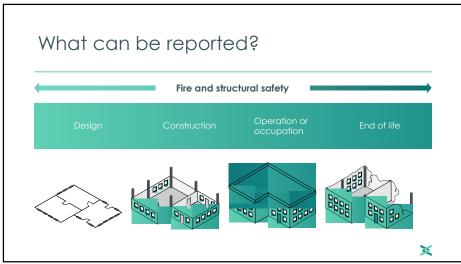
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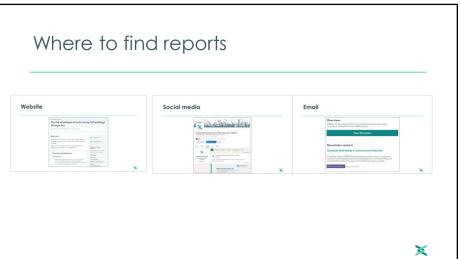


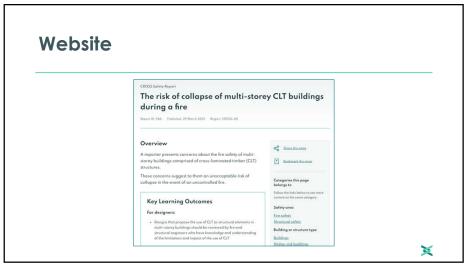


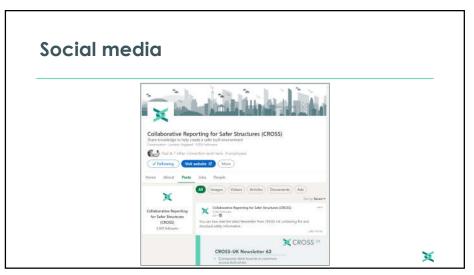












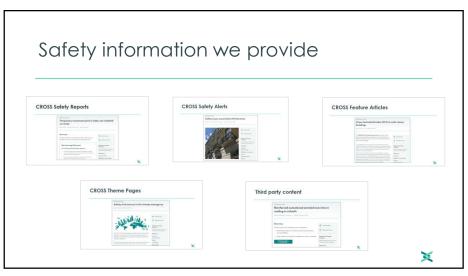
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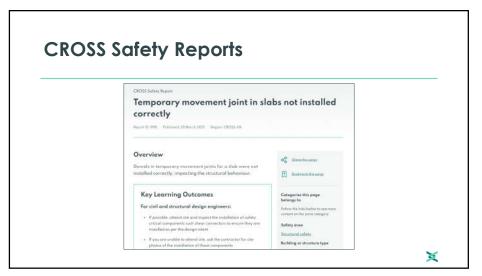
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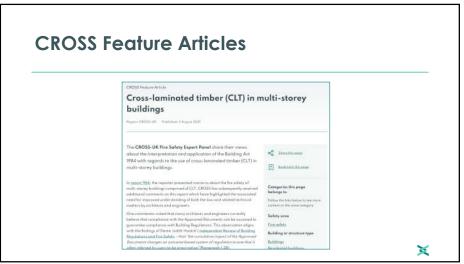


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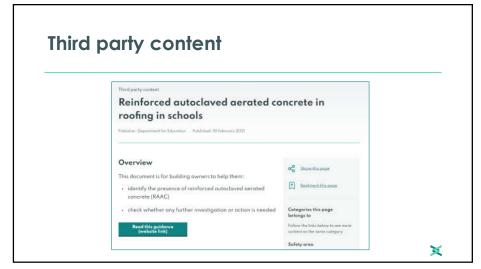
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The risk of collapse of multi-storey CLT buildings during a fire

CROSS Safety Report

Overview

A reporter presents concerns about the fire safety of multi-storey buildings comprised of cross-laminated timber (CLT) structures.

These concerns suggest to them an unacceptable risk of collapse in the event of an uncontrolled fire.

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Fire protection to light gauge steel frame walls CROSS Safety Report Overview A disagreement between fire engineers and manufacturers on testing for the loadbearing performance of light gauge steel frame walls in case of fire has been reported.



Fire compartmentation detailing issues

CROSS Safety Report

Overview

Two reports have been received concerning fire compartmentation detailing issues; one on the incorrect installation of fire batts and the other on the incorrect use of intumescent material.



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Water ingress to cross-laminated timber structural frame

CROSS Safety Report

Overview

In an eight-year-old building that included cross-laminated timber construction, it was found that water penetration had caused parts of the structure to rot. This was not apparent from external inspection.

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Change of use to care home

CROSS Safety Report

Overview

A report has been received relating to the intended change of use of a large building. The reporter is concerned that there is an increase in the risk factors, while the protection levels remain unchanged.

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Fire safety risks with lithium-ion batteries

CROSS Safety Report

Overview

A reporter has raised concerns regarding the increase in the use of lithium-ion batteries, along with their related hazards which currently remain unregulated.

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Composite deck boards in common access balconies

CROSS Safety Report

Overview

A reporter informs CROSS that decking boards formed of a composite material contributed to external fire development in a block of flats and rendered the means of escape and firefighting access unusable.

The report relates to buildings where the access to flats is by means of an external walkway, often referred to as a common access balcony, common balcony, or a balcony/deck approach.



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Cladding and decking certification

CROSS Safety Report

Overview

A report has been received about a supplier of cladding and decking materials that refuses to provide their potential clients with their products' Reaction to Fire Class

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Building Safety Act



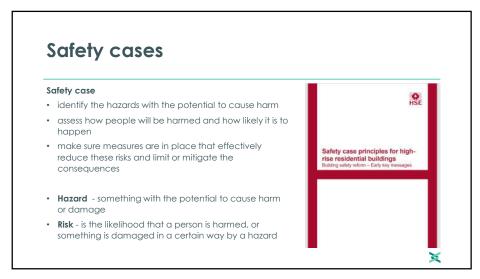
Building Safety Act (England) 2022

- · Consequence of Grenfell fire
- New Building Safety Regulator based within HSE
- Systematic regulatory approach to prevent serious fires or structural failures
- Stringent requirements for buildings at least 18 metres in height or at least 7 storeys and contains at least 2 residential units.
- Make sure that new and existing buildings in England are;
 - · designed and constructed to be safe and of a good standard, and
 - are operated and managed in a way that protects people from the spread of fire or structural failure



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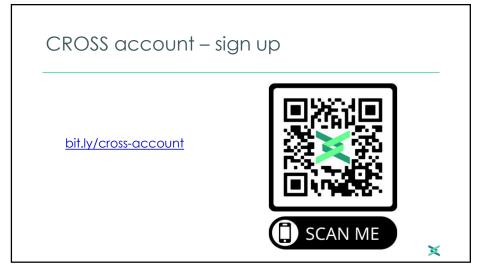




Safety case for an existing building 12,500 HRBs · What could go wrong? · How could it go wrong? · How significant the impact could be in terms of: · the spread of fire · structural failure · cascading events

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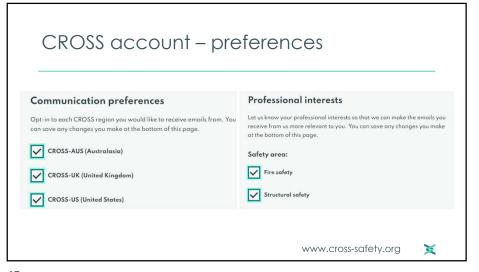




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How to get involved
Keep up to date with emerging safety issues
Use the information on our website to make structures safer
Encourage others to get involved with CROSS

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