



ADELARD



asce®

Developing safety cases for Higher Risk Buildings (HRBs)



Providing support for:

- The safety case approach and how it supports the new safety regulations for HRBs.
- Developing a draft safety case for a subject building.
- Laying out a roadmap for wider safety case adoption.
- ASCE software dedicated to developing, sharing and maintaining safety cases.
- Knowledge transfer, empowering your organisation to become confident and self-reliant in building safety cases.

Following the Grenfell investigation led by Dame Judith Hackitt, there will be new requirements to adopt a system safety perspective of Higher Risk Buildings (HRBs) to better understand the risks posed to residents, and to use a safety case approach as part of the toolkit to communicate and collate the safety argument of why such buildings are safe for their intended occupation and use.

The new Safety Case Review system is the main way that the Joint Competent Authority (JCA) will hold the landlord to account for identifying, mitigating and managing the hazards and risks in their building. Landlords will be required to present safety case reports to the JCA at regular intervals to demonstrate that risks are being managed effectively. Safety case reviews can be requested more frequently by the JCA if a significant refurbishment is planned, or significant concerns have been raised.

Safety cases

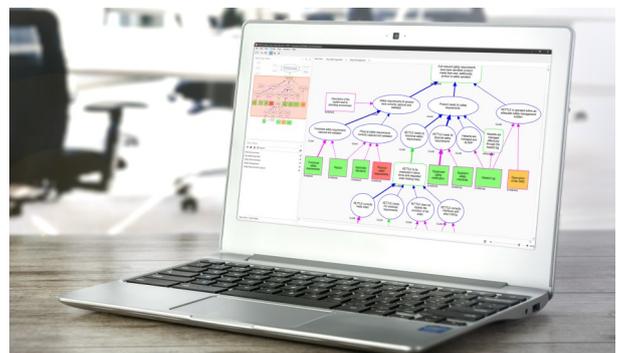
A safety case is a structured argument, supported by a body of evidence, intended to demonstrate that a system is acceptably safe for a specific application in a specific operating environment. Safety cases are a regulatory requirement in many safety-critical industries, and they are used as the basis for a regulator to provide a license or a certificate for such a system to be manufactured or operated. Industries regulated in this way include civil nuclear, defence, aviation, the automotive industry, railways, and medical devices.

Why Adelard?

Adelard is a specialist and influential product and services company working in the areas of safety, security and resilience. We provide advice, policy development, consulting as well as full support for our specialist assurance and safety case tool ASCE.

We are working with housing associations and landlords to aid them in adopting a safety case approach and supporting housing sector professionals with safety case deployment and adoption of the best practices.

ASCE is Adelard's software tool designed for the development, maintenance and management of assurance and safety cases. It provides a graphical front end for the safety case, allowing authors and readers to assemble and navigate a safety argument, following links to its supporting evidence.



Managing safety cases can be challenging due to the number of different stakeholders that are involved and the high volume of information that needs to be tracked. ASCE simplifies this task by enabling collaboration between stakeholders working on a safety case, sharing the whole or specific parts of the safety case as required.

ASCE manages the project documentation, acting as a coherent overall project tool to bring together the various elements of evidence used to support the safety claims. It tracks changes made to the safety case allowing reviewers and landlords to easily assess the effect of change on the safety case throughout the lifecycle of the asset.

ASCE supports notations required by many regulatory bodies and is often used to present the safety case during regulatory assessments.

Stakeholders engagement

For the programme to be effective there will need to be active engagement and support from relevant stakeholders inside your organisation. It is particularly helpful to have a team that includes:

- Building Safety Specialists - Building Safety Managers and roles responsible for capturing the safety case for a building.
- Corporate safety specialists - Roles that understand the corporate safety policies, procedures and standards, and how these may relate to external regulation.
- Resident engagement specialists - Roles that understand how safety aspects of resident engagement are being developed or applied.
- Other domain specialists and reviewers – to provide review input on the emerging draft safety case.

Proposed safety case collaboration

1. Mobilisation

Set-up the project team, define the overall parameters and objectives of the project.

The project will combine Adelard's expertise in safety cases with your knowledge of the housing sector and your business needs.

2. Training

Introduction to safety case concepts and methodology, and developing safety cases using the ASCE tool.

3. Workshops

Focussed on developing a draft safety case for a subject HRB and covering:

- Overview of the safety case process.
- Presentation of typical safety cases from other sectors.
- Discussion on safety case challenges within your organisation.
- Discussion of risk management processes.
- Discussion of system boundary and scope.

4. Mentoring and guidance

A key objective of the project will be knowledge transfer to support your organisation in developing its own understanding of the safety case approach and for you to take ownership and to gain experience of populating the safety case report with the supporting arguments and evidence.

5. Draft safety argument

Based on the consultation, Adelard will propose an initial safety argument that can be developed and populated by your organisation. The high level argument will be developed using ASCE.

The maturity of the safety argument will depend on the availability of evidence, maturity of the safety engineering approach and available project resources.

6. Next steps

Adelard will make a series of recommendations aimed at improving this and future safety case projects.

Please get in touch for an initial discussion and to understand further how we may be able to assist you.

Contact us

E: enquiries@adelard.com

T: +44 20 7832 5850