

Halliwell Fire Research

Global Capabilities



HALLIWELL
/ FIRE RESEARCH

RESEARCH-BASED EXPERT ADVICE

We are a group of highly qualified international experts in fire safety science and engineering, providing research-based expert advice and related services to a wide range of private and public sector clients.

The Halliwell Fire Research team has extensive experience in providing expert witness services for litigation, advising on product development, undertaking applied research in the areas of fire, evacuation, and risk-related topics, and conducting specialist reviews of engineering designs.

Our experts have previously worked for product manufacturers, engineering consulting companies, in universities as well as research institutes and fire testing laboratories.

We are active and hold several leadership roles in standards development bodies and professional societies, including International Organization for Standardization (ISO TC92 Fire Safety) and the Society of Fire Protection Engineers (SFPE).





Our Services

Expert Advisory Services

We can assist in both civil and criminal legal cases by preparing expert reports for plaintiffs and defendants, participating in expert conferences and tribunals, and appearing in court proceedings.

Applied Research

We can advise and undertake commissioned research on specialist topics related to fire safety. This includes work within the built, infrastructure and natural environment. We can also work in collaboration with other research teams in universities and institutes. Our specialty is applied research with a pragmatic, real-world focus.

Product Research and Development

We can advise you on the relevant standards and fire test methods required for building code

compliance and liaise with test laboratories on your behalf, helping to develop cost-effective solutions to get product to market.

Specialist Reviews

We can provide independent expert reviews related to fire safety in the built environment, product and material performance in fire as well as evacuation. This includes evaluating novel evacuation solutions such as occupant evacuation elevators and areas of refuge including Virtual Reality (VR) testing of proposed evacuation system designs.

We can also assist with drafting and auditing of technical literature, provide building code and standards support, write technical content for industry publications, and provide expert advice for advanced fire and evacuation modelling.

HALLIWELL FIRE RESEARCH

Expert Advisory Services

Fire protection products performance (active and passive)

Testing / Reconstruction / Modelling

Adequacy of fire risk assessment

Adequacy of fire engineering design

Compliance with building regulations and insurance requirements

Applied Research

Evacuation and human behavior in emergencies

Simulation models for fire and evacuation including virtual reality

Product Research and Development

Performance of building systems, products and materials in fire

Test programme design for fire compliance

Industry design guidance development

Specialist Review

Compliance with codes / standards

Compliance with building regulations and insurance requirements

Audits and detailed reports for litigation proceedings

Due diligence reports

Preparation or specialist review of remediation advice

Education and training

Globally Recognized Expertise

OUR EXPERTS

Our team of global industry leading experts has 40 years of total experience in **fire science**, **engineering**, **corporate** and **consultancy**. Our network of experts is distributed around the world, which collectively cover multiple disciplines within fire engineering and science.

Proven Track Record: Our services delivered globally with commissions instructed across the globe

Research-Driven Excellence: 300+ Industry papers

Interdisciplinary Brilliance: Our the team uniquely covers a wide spectrum of fire science and engineering

Client-Centric Collaboration: Our clients are worldwide, including law firms, Insurers and other experts

Shaping the Industry: Our experts are heavily involved in international standard bodies developing the next generation of tools and practices

/ LEADERSHIP TEAM



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CONTACT US

Research based expert advice you
can trust to make informed decisions.

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