

# Halliwell Forensics

## Capabilities



**HALLIWELL**  
/ FORENSICS

# TAILORED SERVICES

Halliwell Forensics specialise in the forensic investigation of fires and explosions, escapes of water and other fluids and mechanical and electrical failures on behalf of loss adjusters, insurance companies, P&I Clubs, solicitors, corporate clients and private individuals.

We offer a complete forensic investigation solution, from instruction and investigation of the scene, documenting and recovering evidence to complete reporting and provision of expert witness evidence in court if required.

Whether you require an onsite investigation, a second opinion on an historical incident or inspection of product or mechanical failure, Halliwell Forensics can offer an economical solution to suit both your time scale and your requirements.



## Our Specialties

### / FIRE & EXPLOSION INVESTIGATION

Time-critical environments caused by fires and explosions demand a robust, scientific approach to provide timely information to our clients, which allows them to make sound, fact-based decisions.

We understand the prerequisite to accurately prove cause in relation to fires and explosions and to differentiate the effect of the fire, and how this impacts insurance cover liability and any possible recovery from third parties.

We are experienced in the specification and reporting of the Computational Fluid Dynamic (CFD) modelling of fires. Computer modelling can provide valuable insights into many aspects of a fire including:

- Ignition, spread and development
- The impact of passive and active fire protection systems

### / ELECTRICAL & ELECTRONIC ENGINEERING

As well as investigating fires involving electrical ignition sources, our electrical engineers are experienced in the investigation of electric shock and electrocution in personal injury cases. We have also been involved in the investigation of failures in electrical production and distribution systems including turbines, wind farms and solar photo-voltaic systems.

## MARINE FIRE & EXPLOSION INVESTIGATION

We have considerable international experience of investigating maritime incidents, making it one of our specialisms. Understanding the maritime environment and the requirements of marine insurance and law are paramount.

Movement of cargo, docking issues, financial penalties, crew safety and interviewing crew before they move on – we know time is of the essence in these cases, as is tact and diplomacy, and an appreciation of different nationalities and cultures coming into play when interviewing crew.

Our detailed reports, well documented evidence and thorough photographic records ensure our team can be called on to be expert court witnesses on behalf of our clients if required.



## PRODUCT & PUBLIC LIABILITY

Halliwell Forensics are regularly appointed by appliance manufacturers or their insurers to determine root cause of failure. In these situations, it is important to identify and detail any contributory negligence involving other parties.

A scientific approach, training, experience and technical skills enable our forensic investigators to quickly understand the complex issues involved in multi-party investigations in domestic, commercial and industrial environments.

Our systematic approach to investigation and clear reporting will provide the evidence you need to make well-informed decisions on whether to fight a claim or settle it.



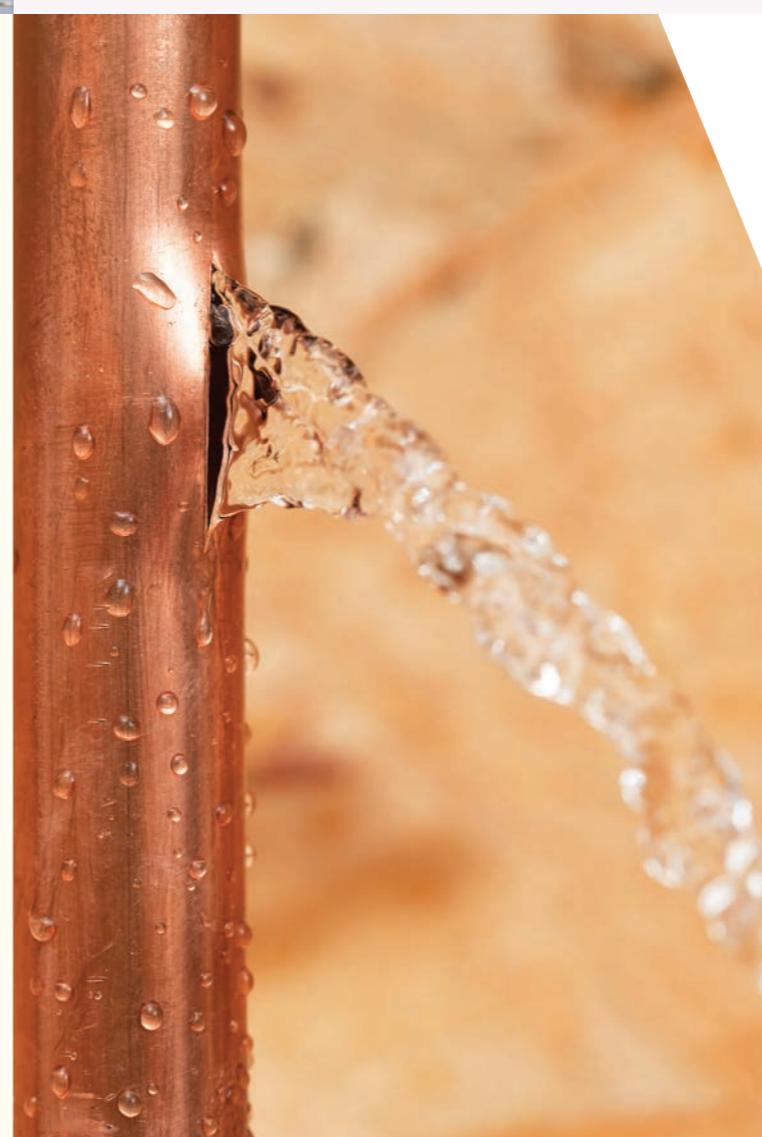
## MECHANICAL & SYSTEM FAILURE

Our forensic investigators come from solid scientific and engineering backgrounds, enabling prompt investigation and mitigation of ongoing and subsequent losses due to business interruption.

We also have strong associations with experts in a wide range of specialist fields, who we consider part of the Halliwell Forensics team, and who we can call on when their particular area of expertise is needed, such as:

- Electrical installations
- Electro-mechanical equipment
- Hazardous materials
- Metallurgy
- Computational Fluid Dynamic (CFD) modelling
- Specialist analytical laboratory services.

We understand investigations into the cause of an incident must be dealt with promptly and efficiently to mitigate ongoing and subsequent losses due to business interruption and loss of production.



## ESCAPE OF WATER, FLUIDS AND GAS

Escapes of water, gas, fluids and chemicals can be caused by a number of factors, including:

- Poor installation
- Equipment failure
- Frozen pipes
- Deliberate intent

Our forensic investigators will determine whether an incident has been caused by a manufacturing defect, an installation error, system design, environmental factors, a combination of circumstances, or on purpose.

As with all incidents, early attendance and inspection of the physical evidence is often key to determining the outcome of a case.

We provide timely, clear, concise technical reporting with minimum jargon, keeping our clients informed at all junctures.

## CASE REVIEW SERVICE

Historical and third party cases can often benefit from scrutiny through fresh eyes, an open mind and a rigorous scientific approach.

Whether a client is seeking a second opinion or expert advice on a particular aspect of a case, our team is here to offer its skills and expertise to report on the physical evidence that might have been in storage, or to consult on a report created by an external agent.

We have the knowledge and experience to play devil's advocate on case proceedings, or to review and comment on your evidence to provide fresh perspective.



**JAN GRAHAM**  
BSc ACGI MSc DIC PhD  
**Director**  
jan.graham@halliwellforensics.com  
+44 (0)7798 721 630 | Mobile  
+44 (0)20 3369 0469 | Office



**EVA MCKIERNAN**  
BSc (Hons) MSc  
**Director**  
eva.mckiernan@halliwellforensics.com  
+353 86 167 0737 | Mobile



**DR. ANDREW COLLINS**  
MChem PhD RN  
**Associate Director**  
andrew.collins@halliwellforensics.com  
+44 (0)7398 601 505 | Mobile  
+44 (0)20 3369 0469 | Office



**STEPHEN TOMPSETT**  
MA PhD  
**Senior Associate**  
stephen.tompsett@halliwellforensics.com  
+44 (0)7740 879 523 | Mobile  
+44 (0)20 3369 0469 | Office

## Meet Our People



**LEE MASSON**  
BEng MSc CEng  
**Managing Director**  
lee.masson@halliwellforensics.com  
+44 (0)7827 966 463 | Mobile  
+44 (0)20 3369 0469 | Office



**CLIFF CHRISTIE**  
BSc CSci CChem FRSC MIFireE  
**Director**  
cliff.christie@halliwellforensics.com  
+44 (0)7740 879 525 | Mobile  
+44 (0)1387 733 206 | Office



**GRAHAM SELLERS**  
BEng MSc CEng MIET MIExpE  
**Senior Associate**  
graham.sellers@halliwellforensics.com  
+44 (0)7525 592 897 | Mobile  
+44 (0)20 3369 0469 | Office



**DR LIN SUN**  
BEng (Hons) PhD  
**Senior Associate**  
lin.sun@halliwellforensics.com  
+44 (0)7385 667 572 | Mobile  
+44 (0)1928 515 805 | Office

# HALLIWELL / FORENSICS



## / CONTACT US

Halliwell Forensics has a solid international reputation, specialising in the forensic investigation of fires and explosions, floods and failures on behalf of loss adjusters, insurance companies, P&I Clubs, solicitors, corporate clients and private individuals.

London Office | +44 (0)20 3369 0469

[hello@halliwellforensics.com](mailto:hello@halliwellforensics.com)

[halliwellforensics.com](http://halliwellforensics.com)