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## Exova Warringtonfire - Expert Witness Directory 2018

Please find the requested information on our qualified staff below.

### Exova Warringtonfire – as a whole

|                     |  |
|---------------------|--|
| Company             | Exova (UK) Limited, trading as Exova Warringtonfire  |
| Capabilities        | <p>Expert Witness services in respect to:</p> <ul style="list-style-type: none"> <li>· All Fire Safety Compliance Issues – Regulatory, Contract, Property Protection</li> <li>· Building Regulation compliance</li> <li>· Regulatory reform (Fire Safety) Order (RR(FS)O) Compliance</li> <li>· Assessment of Construction design</li> <li>· Assessment of Passive Fire Protection Details</li> <li>· Assessment of Cladding System Designs</li> <li>· Fire Safety Strategies</li> <li>· Computational Fluid Dynamic Smoke Modelling (CFDs)</li> <li>· Computational Emergency Evacuation Modelling</li> <li>· Structural Fire Engineering</li> <li>· Fire Alarm Design</li> <li>· Sprinkler Design</li> <li>· Cause and Effects Design and Commissioning</li> <li>· Operational and Maintenance Manuals</li> <li>· Passive Fire Inspection</li> <li>· Fire Safety Management Plans</li> <li>· Fire Safety Training</li> <li>· On-going Monitoring of Operational Fire Safety</li> <li>· Expert Witness Services.</li> </ul> |
| Qualifications      | <p>We currently have 5 Fire Engineers who are fully qualified to take on the role of Expert Witness:</p> <ul style="list-style-type: none"> <li>· David Harries – Technical Director, Global</li> <li>· Andrew McCracken – General Manager, Head of Fire Engineering UK (see below)</li> <li>· Neil Woods – FRA and Training Manager (see below)</li> <li>· Dr Mark Jones – Principal Consultant (see below)</li> <li>· Chris Hughes – Associate (see below)</li> </ul>  |
| Areas of work       | Global   |
| Contact information | <p><u>Manchester Office</u><br/>Address: Exova Warringtonfire, 23 New Mount Street, Manchester, M4 4DE<br/>Telephone: +44 (0) 161 212 7305</p> <p><u>Warrington Office</u><br/>Address: Exova Warringtonfire, Holmesfield Road, Warrington, WA1 2DS<br/>Telephone: +44 (0) 1925 646 116</p>  |

## **Andrew McCracken – General Manager – Head of Fire Engineering UK**

Andrew had always played a key role in the senior consultancy team and having excelled in this role, we recently saw him take the position of General Manager – Head of Fire Engineering UK in early 2017.

Andrew has an incredibly strong profile, of which, his building control background helps the team to look at projects from another angle entirely and his First Class degree in Fire Engineering means that he is a truly valuable asset to consultancy.

Over and above his duties of looking over all UK offices, Andrew is a specialist when it comes to offering fire engineered solutions for complex buildings; a few of his most recent projects include the Royal Liverpool University Hospital, 100 Bishopsgate – London (42 storey sky scrapper) and Rolls-Royce MF1B (Nuclear).

### **QUALIFICATIONS**

Andrew holds the following qualifications:

- Advanced Professional Award in Expert Witness Evidence (APAEWE)
- BSc, Building Legislation and Technology. (Manchester)
- BEng (Hons), Fire Engineering. (First Class (Preston))
- MRICS, the Royal Institution of Chartered Surveyors. (Chartered Building Control Surveyor)
- MIFireE, Member of the Institution of Fire Engineers
- MBEng the Chartered Association of Building Engineers. (Chartered Building Engineer)
- Diploma in Building Control (Stockport)
- Higher National Certificate in Building Studies (Preston)
- Time Served Carpenter and Joiner (City and Guilds Craft and Advanced Craft)

### **AREAS OF WORK**

As General Manager of the Fire Engineering (Europe) Division at Exova Warringtonfire, Andrew is responsible for managing four offices (London, Warrington, Manchester and Dublin) and overseeing the fire engineering and business development work carried out throughout the division.

A large part of Andrew's work is in the provision of expert witness services on a number of past and present cases involving fire safety and compliance.

Andrew has extensive experience in the field of fire safety and has operated in multiple jurisdictions across the globe; his understanding of fire safety legislation, across the globe, is unrivalled, making him an invaluable and trusted resource for any potential client in the global marketplace.

### **CONTACT INFORMATION**

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Primary Office Address: Exova Warringtonfire, Holmesfield Road, Warrington, WA1 2DS.

### **MORE INFORMATION**

For more information on Andrew McCracken, please see his CV.

## ***Neil Woods – Fire Risk Assessment and Training Manager***

### **QUALIFICATIONS**

Neil holds the following qualifications:

- Tech IOSH, National Examining Board of Occupational Safety and Health (NEBOSH) Certificate in Fire Safety & Risk Management, comprising:
  - Managing Health and Safety (Unit NGC1)
  - Fire Safety and Risk Management (Unit FC1)
  - Practical Fire Risk Assessment (Unit FC2)
- Institution of Fire Engineers – Fire Safety Examination (Graduate Level)
- Associate of the Chartered Insurance Institute (ACII)
- BTEC National Certificate in Business & Finance
- NEBOSH International Diploma in Occupational Health and Safety

### **AREAS OF WORK**

Neil is the Fire Risk Assessment Manager for Exova Warringtonfire – Fire Engineering UK and has responsibility for fire risk assessment and associated fire risk assessment services. His responsibilities include the management of the fire risk assessment business in the UK and he has been actively involved supporting the development of third party accreditation schemes for fire risk assessors.

Neil has extensive experience of undertaking risk assessments in the following sectors:

- Health sector, including acting as retained Fire Adviser to various NHS Trusts
- Education sector – schools, colleges and universities
- Industrial sites
- Power stations
- Underground train stations and over ground train stations
- Major airports in the UK, Cuba, Panama and Madagascar

Neil also heads up various projects where Exova Warringtonfire is appointed in either the capacity of advisory expert or expert witness, these projects often involve large scale site inspection activity, review and evaluation of “as built” details and providing expert opinion on the fire performance qualities of various building materials and fire stopping products. Fire risk assessments and the development of “interim measures” to address identified issues often form an integral part of these projects.

This role often also involves liaising with product manufacturers and installation contractors to support the preparation of engineering judgements / assessments to address “as constructed” site details.

Neil joined Exova in August 2007 and prior to that he worked for an independent regional fire safety consultancy. Before working in the fire engineering consultancy sector Neil held the role of Fire Protection Engineer for a major insurance company and is an Associate of the Chartered Insurance Institute. Neil has considerable experience of property protection strategy development and fire systems performance design.

### **CONTACT DETAILS**

Email: [Neil.Woods@Exova.com](mailto:Neil.Woods@Exova.com)

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Primary Office Address: Exova Warringtonfire, 23 New Mount Street, Manchester, M4 4DE

## **MORE INFORMATION**

For more information on Neil Woods, please see his CV.

## **Mark Jones - Principal Consultant**

Since joining Exova Warringtonfire in 2008, Mark has played a crucial role in a number of UK and International projects.

Besides developing highly-detailed fire safety strategies for a range of complex building types, Mark has particular experience in the field of full-frame finite element analysis and Computational Fluid Dynamics (CFD), to analyse smoke flow through buildings; Mark's other expertise extend to the application of analytical techniques, such as thermal radiation analysis, to determine the fire resistance requirements, smoke modelling calculations to determine the ventilation requirements of buildings and evacuation analysis.

## **QUALIFICATIONS**

Mark hold the following qualifications:

- Sep 2004 - Sep 2008    PhD. Civil Engineering, University of Manchester - "Tensile and shear behaviour of fin-plate connections to hollow and concrete-filled steel tubular columns at ambient and elevated temperatures"
- Sep 2000 - Jun 2004    MEng (Hons.), 1<sup>st</sup> Class, Aerospace Engineering (enhanced & extended), University of Manchester
- Advanced Professional Award in Expert Witness Evidence (APAEWE)

## **AREAS OF WORK**

Mark manages many UK based projects, some of his most recent being:

- Salford Central Residential Blocks;
- Kingfisher Shopping Centre, Redditch;
- John Dalton House, Manchester; and,
- 100 Bishopsgate, London.

Not only has Mark worked on UK projects, he has also been a major component in the running of global projects such as:

- Geneva Airport;
- Tocumen Airport, Panama;
- VietinBank Hotel, Hanoi; and,
- Queen Alia International Airport, Amman.

## **CONTACT DETAILS**

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## **MORE INFORMATION**

For more information on Dr Mark Jones, please see his CV.

### ***Chris Hughes – Associate and Quality Manager***

Chris has been involved in fire safety for over thirty years, with the largest proportion of his time spent in the Fire and Rescue Service; joining Exova Warringtonfire in 2005, Chris has been linked with both the Certification and Fire Engineering businesses.

Chris has extensive technical expertise in all areas of fire safety engineering, including:

- The preparation of fire safety strategies;
- Means of escape analysis;
- Quantitative and Qualitative fire risk assessments;
- Analysis of smoke control systems including both zone models and CFD models; and,
- The analysis of structural fire protection analysis.

Chris has been involved in a number of Publications and research projects, as well as representing many professional committees.

## **QUALIFICATIONS**

Chris hold the following qualifications:

- Advanced Professional Award in Expert Witness Evidence (APAEWE) (RICS)
- IOSH Managing Safely
- Bachelor of Engineering (Hon.) Fire Engineering – 2003 – University of Central Lancashire
- H.N.C. Fire Safety Engineering – 1999 – B.T.E.C
- N.V.Q. Assessor – 1997 – B.T.E.C
- Technician Ordinary Certificate – Mechanical and Production Engineering – 1982 – Technician Education Council
- Chartered Fire Engineer (CEng)

## **AREAS OF WORK**

Chris not only operates in the UK, he also manages multiple global projects including the Riyadh Metro Project, in Saudi Arabia. Chris has extensive knowledge of international regulations and design codes making him a valuable asset to the team at Exova.

## **CONTACT DETAILS**

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**MORE INFORMATION**

For more information on Chris Hughes, please see his CV.