

S.A.WALSH

Specialist Consulting Engineers and Expert Witness
The Forensic Engineering Consultants to the Legal Profession



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Stephen Walsh, Credentials.



EXPERT WITNESS

Profession:

Chartered Building Services Engineer, and
Fellow Chartered Institute of Plumbing and Heating Engineers;
Chartered Public Health Engineer;
Chartered Water and Environmental Engineer;
Chartered Occupational Safety and Health Practitioner;
Forensic Carbon Monoxide Investigating Engineer;.
Accessibility Building Services and Plumbing for the Disabled
Consulting Chartered Engineer;
Accredited Expert Witness.



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Expert: Mr. Stephen Walsh

I entered the profession as a 5 years indentured student apprentice for Domestic, Commercial and Industrial sectors for Plumbing, Drainage, Water, Gas, Public Health Engineering, Building Services Engineering from August 1964 and qualified as an Engineer in 1969. I continued my academic and practical training to complete my professional qualification when I was awarded my Council of Engineering Institutions (CEI) Chartered Engineer (CEng.) status in 1983. I became an Expert Witness in 1984.

I studied MSc Occupational Safety and Health at Greenwich University and after graduating became Chartered Occupational Safety and Health Practitioner in 2000. I specialise in Gas and related installations in domestic and commercial buildings, Building Services Engineering, Water Engineering and Drainage issues.

During 1989 I re-qualified by examination my electrical NEI CEI qualifications for Domestic and Testing Electrical Installations.

Since 1984 to the present date I have produced Expert Reports, had meetings with opposing Experts and been instructed as an Expert Witness to attend all levels of Civil and Criminal Courts to give oral evidence. My instructions for attendance include Courts in England and Wales; Scotland; Northern Ireland; Channel Islands and Isle of Man all with their own judicial systems.



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Qualifications:

C.Eng.	Chartered Engineer (Council of Engineering Institutions [CEI])
MSc.	Masters of Science. Occupational Safety and Health (University of Greenwich, London). Specialising in incidents relating to Building Services, Gas, Water Plumbing, Drainage and Water Engineering
CMIOSH.	Chartered Member Institution of Occupational Safety and Health and registered as; “Chartered Occupational Safety and Health Practitioner”.
MCIBSE.	Practising Chartered Member of the Chartered Institution of Building Services Engineers.
FCIWEM.	Practising Fellow Chartered Member of the Water Engineer and Environment Management (formerly Institution of the Public Health Engineers)
FCIPHE.	Practising Fellow of the Chartered Institute of Plumbing and Heating Engineers (formerly the Institute of Plumbing).
Carbon Monoxide	Qualified Forensic Domestic and Non-Domestic Engineer in compliance with Gas Safety (Installation and Use) Regulations 1998 Health and Safety Register for competent persons. Undertake inspections and investigations without opening gas way in compliance with the Gas Regulations. I continue as a Forensic Carbon Monoxide Investigating Engineer.
CUEW (CUBS)	Cardiff University Accredited Expert Witness (Bond Solon CUBS) by examination.

Registers

MSoPHE	Member Society of Public Health Engineers.
MEWI.	Founding and Practising Member of the Expert Witness Institute.
MSocEW	Member of the Society of Expert Witnesses.
Bond Solon	Accredited Expert Witness Registered
RoSPA.	Member of Royal Society for the Prevention of Accidents.
NEWA	National Expert Witness Agency
BSRIA	Building Services Research
OSHCR	Occupational Safety Health Consultants Register

RoSPA
Member

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Expert Witness Formal Training Qualifications;

- ✓ CUEW (CUBS);
- ✓ Cardiff University Accredited Expert Witness Civil litigation Expert certificate and separately Criminal Expert certificate by their examinations.

- ✓ **Bond Solon;**
 - CPD courses with Bond Solon Expert Witness courses.

- ✓ **Expert Witness Institute (“E.W.I”);**
 - CPD courses with EWI Expert Witness courses.

- ✓ **Law Society;**
 - Registered with the Law Society as a “Checked” Expert Witness.

- ✓ **UK Register of Experts;**
 - Approved and Registered Expert Witness.

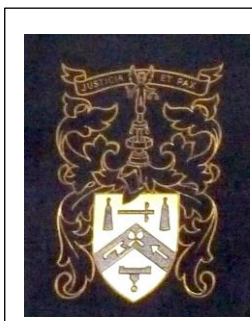
Technical Committee Member.

- ✓ Chartered Institute of Plumbing and Heating Engineers (“CIPHE”)
 - Water Quality Committee Incorporating Water Regulations 1999, Water Byelaws 2000 Scotland, Guide to Water Regulations and British Standards interpretations and best practices for the Revised CIPHE Engineering Standards Manual.

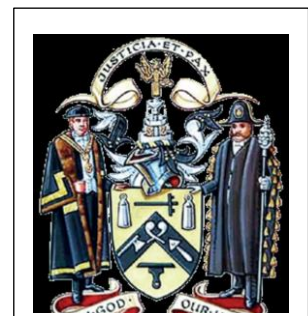
Honours;

- ✓ Freeman City of London
- ✓ City Livery Company;

- **Worshipful Company of Plumbers.**



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Expert; Mr. Stephen Walsh

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Secretary's Email (2); forensic.eng@btconnect.com

Office Location Map;

<http://www.streetmap.co.uk/map.srf?x=542855&y=174347&z=0&sv=SE95DF&st=2&pc=SE9+5DF&mapp=map.srf&searchp=ids.srf>

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Brief Details of My Previous Expert Instructions:

- ✓ **Building Services Engineering including Mechanical, Electrical & Plumbing and Heating Engineering.**
 - Investigating leaks from water, waste, soil and/or heating systems causing property and personal injury.
 - Investigating Water Supplier and Water Consumer (Customer) disputes.
 - Investigating cold / hot water pipe failures and flooding causing excessive property damage and in more than one case ceiling onto person causing personal injury. Investing Heat Store failures.
 - Investigating Commercial Kitchens to resolve flooding due to blocked drains with cooking oils and fats which resulted causing illness to customers in London and other UK Michelin Restaurants, BBC Staff restaurant, UK Government Agencies, Hotels and Nursing Homes. .
 - Investigating alleged defective Domestic and Commercial Underfloor Heating systems. Also for heat injury to body parts in contact with heating surfaces
 - Assisting in Tenant and Landlord disputes for drain responsibility and waste fats and oils retentions and treatment before entering the drains resulting flooding of flats to lower level flats. Checking dirty washing practices and appropriate equipment.
 - Investigating defective Planned Preventative Maintenance to Building Services in commercial (Hotels, Offices, Holiday Park), domestic and industrial properties causing property and personal injury. Investigating £26 million MEP failures to UK Defence Establishment, £10 million Country House and Warm Air Appliance systems failures.
 - Personal injury due to scalding from hot water in bath, shower, sink, bidet and basin, and burns from hot unprotected radiator and hot surfaces in Domestic, Schools, Hotels, Nursing Homes and Hospitals.
 - Investigations of Personal Injuries and Fatality to the Disabled Person in Accessible Toilet due to installer using incorrect installed/maintained sanitary fittings.
 - Investigating freezing of piped systems inside buildings and assessing the thermal protection when pipe burst collapsing the ceiling to the property below onto the flat owner causing severe injuries. Also similar case when pipe fitting failed collapsing ceiling onto flat owner below.
 - Investigating Cold Store explosion when rainwater leaked into store causing loss of £10 million of food stocks. Also investigating Cold Store storage failure of 20 years of Artic survey ice samples.
 - Investigating pumped hydraulic systems “Water Hammer” and “Hydraulic Surges” in commercial and industrial properties and facilities failures causing injury and death and Water Works.
 - Investing Heating, Air Conditioning and Refrigeration Systems not providing the service they were intended by Contractors.

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- ✓ **Occupational Safety and Health**
- ✓ **Safe Gas, LPG, Oil Services, Solid Fuel and Biomass Appliances.**
 - Domestic and Commercial Boiler Flue failure investigations
 - Investigating Appliance spillages from ALL burning appliances producing Products of Combustion including Carbon Monoxide and Carbon Monoxide poisoning and fatality. Natural Gas (methane) and Biomass appliances poisoning.
 - Reconstruction of flue pipe failures. Investigating flue discharges whether crossing property boundary and/or smoking.
 - Gas pipe leaks, Oil pipe and Tank leaks (Uncontrolled discharges) resulting in explosions and contamination from appliances in Domestic, Commercial, Hotels and Holiday Accommodation and Industrial property.
 - Investigating alleged failures of contractors undertaking work to ALL appliances including Biomass appliances. Checking quality and correctness of their work and quality of boiler and materials. Checking correct operations.
 - Assessing and Investigating fires from Solid Fuel, Biomass, Oil, LPG and Natural Gas (methane) appliances for spillages
 - Investigating accidents, personal injury claims and fatalities during the installation of plasticised Gas Mains joined by electrofusion welding technique outside buildings including failure of pipe fittings during pressure testing of gas mains.
 - Investigations of fire caused by work undertaken by Gas Safe fitters and plumbers together with fire damage to property and personal injury caused by faulty boilers and maintenance to the gas appliance.
 - Assessing Commercial, Hotels, Domestic and Industrial Oil and Gas piped services for safety and compliance with the Regulations
 - Assessing gas appliances flue and combustion air twin pipe systems
 - Investigating Carbon Monoxide spillages in Hotels, Schools, Colleges, Public areas, Holiday accommodation both in UK and Overseas.
 - Investigating Gas Warm air ventilation duct systems installations causing a Health and Safety CO and burning safety issues in public areas.
 - Instructed as Defendant's Expert in Health and Safety Executive prosecution cases for undertaking Gas work when not competent.
 - Health and Safety at Work in the workplace inhalation of gas from work process or work related operations and maintenance.
 - HSE prosecutions and private litigation cases for employees personal injuries due to work related activities such as working with machines, air compressor hand held devices, opening and closing entrance doors and system failures.
 - Personal Injuries Investigating gas appliance explosions.

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✓ **Water Engineering and Environment Management;**

✓ **Public Health Engineering investigations;**

- Underground drainage investigations into surcharging and flooding of property and public highways causing personal injury and medical issues
- Rainwater (surface water) into buildings.
- Surface and Ground water flooding and ingress prevention investigations from adjacent adjoining land and sewers.
- Investigating Foul water and Surface water from buildings to sewer discharge due to incorrect drainage construction, elevated drain pipe levels. Domestic drain pipes too low to connect into sewer due to contractor's and other's errors.
- Flood management failures which were designed to protect property and public highways.
- Surcharging of sewers into property and collapsing property due to undermining and washout.
- Assessment of Commercial, Industrial and Domestic large and small drainage and sewer systems following users' complaints of flooding and emissions of sewer gases causing a nuisance and leading to personal injury by gas inhalation.
- Investigating leaks from plumbing components and Installation systems together with soil and waste water systems causing water flooding damage to property and finishings, stock in shops and commercial property and personal injury. Slipping on wet surfaces.
- Investigating alleged failure issues with "French Drains" and Land Drainage installations created by trespass, mechanical damage and incorrect installation..
- Investigating of Domestic and Commercial installations of waste water treatment systems not functioning and flooding.
- Investigating alleged Hydrogen Sulfide gas (Sewer Gases) from sewers, treatment systems, farms, process plants and septic tanks.
- Supervision and reporting of CCTV investigations into underground piped drainage system failures including blockages.
- Investigation into water logged fields, run-off from impervious areas and resolution to resolve causing insect incursion and ill health.
- Investigating sewage plant failures for hotels, commercial industrial and housing estates causing spillage of sewage and toxic gases.
- Investigating fatality at Water Undertaking Pumping station when high pressure mains pipe joint failed causing employee's fatality.

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Regional Details;

- ✓ I accept instructions within the United Kingdom. I undertake investigations and work outside UK from UK based Instructing Parties.
- ✓ I attend the England and Wales, Scotland, Northern Ireland, Jersey and the Isle of Man Courts with their own judicial systems and own Building Regulations, Standards.
- ✓ I have also given evidence at Arbitration, Mediation and Public Hearings.

Language;

- ✓ I am only fluent in English.

Expert Witness Work;

- ✓ I accept instructions for;
 - Single Joint Expert ;
 - Party Appointed Expert for the Claimant ;
 - Party Appointed Expert for the Defendant ;
 - Expert for the Prosecution;
 - Expert for the Defendant;
 - Personal Injury Claims for either party or joint

Lawyer Consultation;

- ✓ I am willing to give initial 15 minutes free telephone confidential consultation without obligation to discuss possible instruction.



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