

# **S.A.WALSH**

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



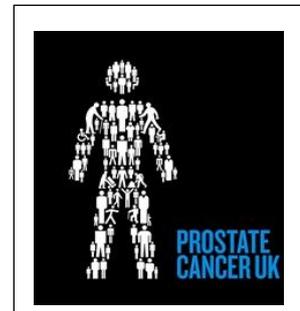
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**[stephen@sawalsh.com](mailto:stephen@sawalsh.com)**

**Stephen Walsh,**  
**Credentials.**



## **EXPERT WITNESS**

**Profession:** Chartered Building Services Engineer, (including MEP) and  
(Fellow Chartered Institute of Plumbing and Heating Engineers);  
Chartered Public Health Engineer, (including MEP);  
Chartered Water and Environmental Engineer;  
Chartered Occupational Safety and Health Practitioner;  
Safe Gas Forensic Engineer;  
Accessibility Building Services and Plumbing for the Disabled  
Consulting Chartered Engineer;  
Accredited Expert Witness.



**The Complete Expert Witness Service**

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**Expert: Mr. Stephen Walsh**

I entered the profession as a 5 years indentured student apprentice for Domestic, Commercial and Industrial Plumbing, Drainage, Water, 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 Public Health Engineering, 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 and attended Court to give oral evidence. I have been instructed as an Expert Witness to attend;

1. The Royal Courts of Justice,
2. Technology and Construction Courts
3. Together with regional County Courts.
4. I have also attended The Central Criminal Court of England and Wales (known as the Old Bailey) for gross negligence and manslaughter cases
5. Attended regional Crown Courts for Health and Safety Executive, Gas Providers, and Police prosecutions representing the Defendants.
6. I have been instructed for the High Court of Justice Division Intellectual Property Enterprise Court
7. And the First-Tier Tribunal, Property Chamber.
8. 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:

<b>C.Eng.</b>	Chartered Engineer (Council of Engineering Institutions [CEI])
<b>MSc.</b>	Masters of Science. Occupational Safety and Health (University of Greenwich, London). Specialising in incidents relating to Building Services, Plumbing, Drainage and Water Engineering
<b>CMIOSH.</b>	Chartered Member Institution of Occupational Safety and Health and registered as; “Chartered Occupational Safety and Health Practitioner”.
<b>MCIBSE.</b>	Practising Chartered Member of the Chartered Institution of Building Services Engineers.
<b>FCIWEM.</b>	Practising Fellow Chartered Member of the Water Engineer and Environment Management (formerly Institution of the Public Health Engineers)
<b>FCIPHE.</b>	Practising Fellow of the Chartered Institute of Plumbing and Heating Engineers (formerly the Institute of Plumbing).
<b>Safe.Gas</b>	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 Safe Gas Engineer.
<b>CUEW (CUBS)</b>	Cardiff University Accredited Expert Witness (Bond Solon CUBS) by examination.

## Registers

<b>MSoPHE</b>	Member Society of Public Health Engineers.
<b>MEWI.</b>	Founding and Practising Member of the Expert Witness Institute.
<b>MSocEW</b>	Member of the Society of Expert Witnesses.
<b>Bond Solon</b>	Accredited Expert Witness Registered
<b>RoSPA.</b>	Member of Royal Society for the Prevention of Accidents.
<b>NEWA</b>	National Expert Witness Agency
<b>BSRIA</b>	Building Services Research



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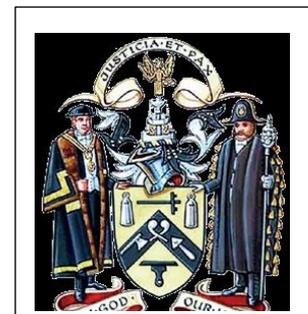
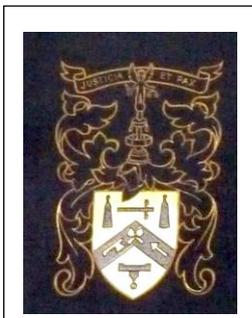
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## Expert Witness Formal Training Qualifications:

- ✓ **CUEW (CUBS);**
  - Cardiff University Accredited Expert Witness Civil litigation certificate by their examinations and Criminal training and examinations awaiting their accreditation.
- ✓ **Bond Solon;**
  - CPD courses with Bond Solon Expert Witness courses.
- ✓ **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.

## Honours:

- ✓ Freeman City of London
- ✓ City Livery Company;
- Worshipful Company of Plumbers.



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**Expert; Mr. Stephen Walsh**

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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 Experiences:**

- ✓ **Building Services Engineering (Mechanical, Electrical & Plumbing [MEP])**
- ✓ **Plumbing and Heating Engineering**
  - Investigating alleged defective Domestic and Commercial Underfloor Heating systems. Also for heat injury to body parts in contact with heating surfaces.
  - Investigating leaks from water, waste, soil and/or heating systems causing property and personal injury.
  - Investigating hot water pipe failures and flooding .
  - Investigating Commercial Kitchens to resolve blocked drains with cooking oils and fats causing illness.
  - Assisting in Tenant and Landlord disputes for drain responsibility and waste fats and oils retentions and treatment before entering the drains. Checking dirty washing practices and appropriate equipment.
  - Investigating defective Planned Preventative Maintenance to Building Services in commercial (Hotels and Offices), domestic and industrial properties causing property and personal injury.
  - Personal injury due to scalding from hot water in bath, shower, sink, bidet and basin, and burns from hot unprotected radiator and hot surfaces.
  - Investigations of Personal Injuries to the Disabled due to installer using incorrect installed/maintained sanitary fittings.
  - Investigations of Personal Injury resulting in death when disabled person cut themselves inside Accessible Toilet sanitary fitting.
  - 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 “Water Hammer” and “Hydraulic Surges” in failed piped systems due to water pressure and temperature.
  - Investigating pumped hydraulic systems in commercial and industrial properties and facilities failures causing injury and death.
  - Investigating failures to Sanitary Facilities for the Disabled.
  - Investing Heating, Air Conditioning and Refrigeration Systems not providing the service they were intended by Contractors causing temperature related injuries.
  - Investigating domestic commercial and industrial lack of drinking water and clean toilet facilities causing medical skin and other conditions.

# **S.A.WALSH**

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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) 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 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
- 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, 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 Biomass boiler installations causing a Health and Safety nuisance whether in compliance with Local Council granted permission, Building Regulations and Standards.
- Instructed as Defendant's Expert in Health and Safety Executive prosecution cases for undertaking Gas work when not competent.
- **Meeting of Experts in an attempt to narrow the case issues.**
- 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.
- Personal Injuries Investigating slips, trips and manual handling injuries.
- Falling from ladders, down stairs, scaffolding and working at height.

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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 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 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.
- Water leaks from plumbing components and soil and waste water systems causing water damage and flooding 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 fatality.

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**Regional Details:**

- ✓ I accept instructions within the United Kingdom.
- ✓ 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 ( CPR Part 35),
  - Party Appointed Expert for the Claimant (CPR Part 35)
  - Party Appointed Expert for the Defendant (CPR Part 35)
  - Expert for the Prosecution (CrimPR Part 19)
  - Expert for the Defendant (CrimPR Part 19).
  - Personal Injury Claims for either party or joint (CPR Part 35)

**Lawyer Consultation:**

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