

S.A.WALSH

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



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Stephen Walsh,

EXPERT WITNESS



The Complete Expert Witness Service

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Contract Details; E 4586

Expert; Mr. Stephen Walsh

Profession; Chartered Building Services Engineer,
Chartered Public Health Engineer,
Chartered Water Engineer,
Chartered Occupational Safety and Health Practitioner,
Gas Safe Registered Expert
Consulting Engineer and Expert Witness.

Company Name; S.A.WALSH
Specialist Consulting Engineers and Expert Witness Limited
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Qualifications:

C.Eng.	Chartered Engineer (Engineering Council No. 331040 (1983)).
MSc.	Masters of Science. Occupational Safety and Health (University of Greenwich, London).
CMIOSH.	Chartered Member Institution of Occupational Safety and Health as registered "Chartered Safety and Health Practitioner.
MCIBSE.	Practising Chartered Member of the Chartered Institution of Building Services Engineers.
FCIWEM.	Practising Chartered Fellow 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).
Gas Safe.	Registered Gas Safe engineer in compliance with Gas Safety (Installation and Use) Regulations 1998 Regulation 3.
MSoPHE	Member Society of Public Health Engineers.
CUEW (CUBS)	Cardiff University Accredited Expert Witness (Bond Solon CUBS)
MAE.	Practising Member of the Academy of Experts.
MEWI.	Founding Member of the Expert Witness Institute.
MSocEW	Member of the Society of Expert Witnesses.
RoSPA.	Member of Royal Society for the Prevention of Accidents.

My Expertise.

I entered the profession as a 5 year indentured student apprentice during 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 Chartered Engineer status in 1983. I became an Expert Witness in 1984.

Since 1984 to the present date I have been instructed as an Expert Witness and given oral evidence in The Central Criminal Court of England and Wales (known as the Old Bailey) for gross negligence and manslaughter cases and attended regional Crown Courts. I have also attended The Royal Courts of Justice and Technology and Construction Courts together with regional County Courts. I attend the Scottish and Northern Ireland Courts with their judicial systems. I have also given evidence at Arbitration, Mediation and Public Hearings.

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Employment:

- ✓ **G.N.HADEN and Sons Ltd, London; 1964 to 1969;**
 - Building Services Engineers and Contractors.
 - 5 year student indentured Apprenticeship in Public Health Engineering, Plumbing, Water Services, Drainage, Gas, Petroleum products installations together with Air Conditioning, Heating, Refrigeration.
 - Project and Design Engineer; 1969 to 1970.
- ✓ **Ove Arup and Partners, London; 1970 to 1973**
 - Consulting Engineers
 - Project Design Engineer for the new Carlsberg Brewery at Northampton. Involving design meetings in Copenhagen with Client and Architects. Responsible for the Public Health Engineering, Brewing Water installation, Carbon Dioxide recovery, cleansing, refrigeration and liquid storage , Fire Sprinkler Installation, Liaison with Water Authority, Drainage Authority for domestic and commercial wastes and treatment and Fire Brigade. Overseeing installation and commissioning to hand-over.
- ✓ **Ove Arup and Partners,**
Pretoria, and Johannesburg South Africa; 1973 to 1975
 - Consulting Engineers
 - Leading the Public Health Engineering for South African offices,
 - Responsible for Plumbing, Water Services, Drainage, Gas, Petroleum products, Fire Sprinkler installations designs. Liaison with South African for the introduction of the Single Pipe Above Ground Sanitation System. Also liaison with Water Authority, Drainage Authority for domestic and commercial wastes and treatment and Fire Brigade. Overseeing installation and commissioning to hand-over.
- ✓ **E.L.Batemen,**
Johannesburg South Africa and Namibia; 1975 to 1976
 - ✓ Design and Contracting Public Health Engineers.
 - ✓ Senior Project Engineer.
 - ✓ Responsible for overseeing the Water Treatment and Sewage Treatment Plants for the local African townships and industrial plants.
- ✓ **Building Design Partnership, London and Iran; 1976 to 1984**
 - Consulting Engineers
 - Senior Project Engineer.
 - Responsible for Plumbing, Water Services, Drainage, Gas, Petroleum products, Fire Sprinkler installations designs. Liaison with Water Authority,

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✓ **Building Design Partnership continued;**

- Drainage Authority for domestic and commercial wastes and treatment and Fire Brigade. Overseeing installation and commissioning to hand-over.

✓ **S.A.WALSH. London, Denmark, France, Cyprus, UK; 1984 to Present.**

- Specialist Consulting Engineers and Expert Witness.
- Principle and Owner.
- Public Health Engineering, Building Services Engineering, Fire Sprinkler Engineering, Petroleum Products Engineering, Product design of Unvented Hot Water Cylinder, macerating wc. pan, Condensing combination boiler,, solar panels. Occupational Safety and Health projects.
- Expert Witness as instructed.

Clients;

- ✓ My Clients are confidential and not for open disclosure except I undertake instructions for the Banking, Private and Public sectors.

Expert Witness Formal Training;

- ✓ CUEW (CUBS);
 - Cardiff University Accredited Expert Witness certificate by their examinations.
- ✓ Academy of Experts;
 - The Academy's Training Courses for the Expert.
- ✓ Bond Solon;
 - The Expert Witness courses.
- ✓ E.W.I.;
 - Their Expert Witness courses.

- ✓ Law Society;
 - Registered with the Law Society as a "Checked" Expert Witness.

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

Alternative Dispute Resolution; ADR;

- ✓ Commercial Mediator;
 - Academy of Experts training, examination and registration. Instructed as Commercial Mediator to assist in resolving parties disputes.
 - Assisting to resolve customer and supplier contract disputes.

Honours;

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

My Previous Expert Experiences:

- ✓ **Occupational Safety and Health**
- ✓ **Gas Safe Registered.**
 - Domestic and Commercial Boiler Flue failure investigations
 - Gas Fire spillages from Natural Gas (NG) and LPG gas burning appliances producing and/or Carbon Monoxide poisoning
 - Reconstruction of flue pipe failures. Investigating flue discharges crossing property boundary.
 - Personal and Fatalities Carbon Monoxide investigations
 - Gas pipe leaks and explosions
 - Meter fraud
 - Electric storage heater investigations of spilling Carbon Monoxide
 - Assessing Oil and Gas piped services for safety and compliance with the Regulations which have included Inspections of copper, “tracpipe” or similar, mild steel and plastic gas pipes for compliance and safety
 - Investigating burning appliances as source/seat for property fires.
 - Assessing gas flue and combustion air twin pipe systems
 - Investigating Carbon Monoxide spillages in Hotels, Public areas, Holiday accommodation both in UK and overseas.
 - Inspection of Commercial catering gas appliances.
 - Assessing Housing Associations and Private Developers domestic and commercial gas installations and appliances.
 - Recommending how to install/convert existing Housing Association housing stock from Estate central heating to individual gas boiler installations.
 - Health and Safety at Work and in the workplace for Carbon Monoxide poisoning from heating appliances and machines.
 - HSE prosecutions and private litigation cases for employees personal injuries due to work related activities such as working with machines, air compressor and hand held devices.
 - Personal Injuries Investigating slips, trips and manual handling injuries together with falling from ladders, down stairs, scaffolding and working at height.
 - Investigating Residents falling from windows, down stairs and other injuries at Care Homes and Hotels.
 - Investigating unexplained sickness of children in primary school

✓ **Building Services Engineering**

✓ **Plumbing and Heating Engineering**

- Assisting to resolve Customer and Contractor contract and provision of services disputes.
- Investigating Domestic and Commercial Underfloor Heating systems.
- Investigating leaks from water, waste and/or heating systems causing property damage and personal injury.
- Investigating water pipe failures and flooding of domestic and commercial properties.
- Investigating underfloor heating systems for lack of performance.
- Investigating defective Planned Preventative Maintenance to Building Services in properties.
- Personal injury due to scalding from hot water in bath, shower, sink, bidet and basin, and burns from hot unprotected radiator and hot surfaces. Excess hot under floor heating system resulting in personal injury to feet and other parts in contact with the floor.
- Investigations of Personal Injuries to the Disabled due to using incorrect installed/maintained sanitary fittings.
- Investigate failed components of the system.
- Investigating freezing of piped systems inside buildings and assessing the thermal protection. Also investigating failed fittings due to freezing.
- Investigating “Water Hammer” and “Hydraulic Surges” in failed piped systems.
- Investigating pumped hydraulic systems in commercial and industrial properties and facilities.
- Investigating failed Fire Sprinkler systems.
- Investigating Plumbing water and waste systems between properties.
- Investigating Sanitary Facilities for the Disabled
- Investigating water systems not providing service as intended due to possible design and installation considerations.
- Investing Central Heating, Air Conditioning and Refrigeration Systems not providing the service they were intended by one party.
- Investigating clean and dry compressed air and gases for 3D printing machines, and other commercial and industrial purposes.
- Investigating sick building syndrome.

✓ **Water Engineer and Environment Management**

✓ **Public Health Engineering investigations;**

- Underground drainage investigations into surcharging and flooding.
- Rainwater (surface water) into buildings.
- Surface water flooding investigations from adjacent adjoining land and sewers.
- Investigating ground water and surface water into buildings due to incorrect construction, elevated ground water levels and disposal of surface water from managed catchment of housing and/or commercial development or other causes.
- Flood management failures which were designed to protect property.
- 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 sewage and waste water systems causing water damage and flooding to property and finishings, stock in shops and commercial property. Personal injury in flats when ceiling collapsed onto owner/user. Slipping on wet surfaces.
- Investigating alleged sewer gas emissions at farms and process plants.
- Investigating of Domestic and Commercial installations of waste water treatment systems not functioning and flooding.
- Investigating alleged Hydrogen Sulfide gas from treatment systems and septic tanks.
- Supervision and reporting of CCTV investigations into underground piped system failures.
- Investigation into water logged fields, run-off from impervious areas and resolution to resolve.
- Investigating centralised drainage plant failures for hotels, commercial industrial and housing estates.
- Customer and supplier contract disputes of Plumbing, Drainage, Hot and Cold Water systems, Heating, Air Conditioning, and gas goods and services when installations not fit for the purposes intended.
- Investigating personal injury and fatal incidents at Water Treatment and Sewage Treatment Plants.

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Regional Details:

- ✓ I accept instructions within the United Kingdom and the EU countries.

Language:

- ✓ I am only fluent in English.

Expert Witness Work:

- ✓ I accept instructions for;
 - Single Joint Expert,
 - Party Appointed Expert for the Claimant (CPR Part 35)
 - Party Appointed Expert for the Defendant (CPR Part 35)
 - Expert for the Prosecution (CrPR Part 33)
 - Expert for the Defendant (CrPR Part 33).
 - Media and Public Relations
 - Personal Injury Claims for either party or joint (CPR Part 35)

- ✓ I do not accept instructions for;
 - Legal Aided work.
 - Family Court

Lawyer Consultation:

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

Expert Witness Instructions:

- ✓ The percentage of instructions for the previous year has been approximately;
 - Single Joint Expert; 20%
 - Claimant; 40%
 - Defendant; 40%
 - Attended Court in last 3 years; 10
 - Expert Reports written in last 3 years; 102

[The Complete Expert Witness Service](#)