



# B&R

## Consulting Engineers (IOM) Ltd

Building Service Engineers

### Company & Employee Curriculum Vitae

#### Steve Smith, Mechanical Consultant

##### Introduction

Stephen has over 35 years' experience within the building services environment. Over this time Stephen has been involved in the design of a great many large and complex projects. Ranging from traditional building services designs through to cutting edge cleanroom technology designs and the associated critical pressure regimes required. Stephen is an exceptionally experienced mechanical engineer who has a wealth of experience gained working within the building services industry. Through over half of Stephen's career, he has had ultimate technical responsibility both for his work and for that of a team of engineers.

Steve is an Associate Member of the Chartered Institute of Building Services Engineers.

##### Project Experience

###### **Health Care**

Nobles Hospital – Mechanical Design of Breast Clinic and Endoscopy Unit

Ramsey and District Hospital - Mechanical Design for the remodelling of 3 wards of the hospital.

Works comprised the creation of new Wound Management Clinic and a Renal Unit.

Turning Point – The mechanical design of a new 27 bed secure mental health unit. The design comprised of male and female contained flatlets and incorporated a CHP system and advanced controls to reduce energy consumption throughout all areas of the building.

Glenfield Hospital Leicester – Mechanical Design of the Respiratory Department, clinics and laboratories.

Operating Theatres; Standard and Ultra Clean Operating Theatres at numerous hospitals throughout the UK and abroad during employment with Howorth Air Tech Ltd.

Clean Rooms; Hospital Pharmacy Aseptic Suites for the manufacture of drugs at numerous hospitals throughout the UK and abroad, including radiopharmacies.e.g. Gart Naval Hospital Glasgow, Dudley Hospital, St Barts Hospital London.

Hospital Pathology Containment Labs, Cat 2 and 3. e.g. Dudley Hospital.

Breast Clinic and Endoscopy Treatment Rooms at Nobles Hospital Isle of Man.

Renal Treatment Rooms at Ramsey Hospital Isle of Man.

Acute Psychiatric Admissions (high security) Wards at Nobles Hospital Isle of Man. Design of underfloor heating, ventilation, sanitary ware and domestic services with enfaces on high security and anti-ligature requirements.

MRI and CAT Scanning Rooms at Pembury Hospital and South Mead Hospital Bristol – design of specialist ventilation.

Hospital Boiler house design including biomass boiler and wood chip storage and delivery system.- South Mead Hospital Bristol.



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IVF and Stem Cell Clean Rooms and Labs - specialist ventilation systems- including cryo storage rooms.-Manchester Royal Infirmary.

Blood Processing Clean Rooms – specialist ventilation – National Blood Transfusion Centres Birmingham and Southampton.

Patient Isolation Rooms – specialist ventilation – Pembury Hospital.

Respiratory Labs at Glenfield Hospital – Specialist ventilation.

#### **Commercial / Office**

Liver Building Office Refurbishment – 3<sup>rd</sup> & 8<sup>th</sup> Floor

Rock Oil New Offices & Laboratory

#### **Education**

Burslem 6<sup>th</sup> Form College Refurbishment – design of new heating, ventilation, water services, above ground drainage and lab gas.

University of Strathclyde – design of specialist building services for new clean room including specialist lab gasses, ventilation and ac,

Process chilled water, and domestic water and above ground drainage.

University of St Andrews – as Strathclyde.

University of Southampton – design of containment ventilation and safety cabinet ventilation for new clean room / bio science lab, and all services including steam for autoclave, and specialist gases.

#### **Factories and Warehouses**

Gregg Foods New Offices and Distribution Centre\_ General Building Services and Air Conditioning.

Local Extract Ventilation System –for the Chemical Works at Nexam Ltd – St Andrews

Mail Distribution Centre Kidderminster – General Ventilation, AC, and Domestic services for Offices and Warehouse.

#### **Leisure / Retail**

Ladies Only Gym Douglas IOM- design of new ventilation system for exercise and dance studios.

Sales floors and warehousing –ventilation and general building services for Littlewoods Department Stores.

Santander Banks Refurbishment Programme ac and ventilation design: Darby, Luton, Grimsby, Northampton, Stafford, Loughborough, Oxford, Leeds.

#### **Residential**

Apartments – general building services to high end rental accommodation and care supported accommodation – Guildford, Purley, Littlehampton, Hirwaun South Wales.



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### **Other**

Modular Buildings – portable clean room facilities, and operating theatres.

Data Centres – Extension of chilled water-cooling facilities to Data Farm for Domicilion on the Isle of Man.

Swimming Pools – design of replacement ventilation for Glossop Public Baths.