

Brian Murphy BSc Dip Arch (Hons+Dist) Resource Efficiency CV

PROFILE:

- I spent the first ten years of practice in small firms, working on a wide range of new and existing buildings, getting a thorough grounding in building technology and studying day release ONC and HNC Construction.
- I went on to work with talented Architects whilst studying day-release Architecture (part-time), the solid background giving me the freedom to 'fly kites' with my designs, unrestricted by lack of construction know-how.
- I was recognised as a top student in my year, commended at BSc and awarded a Distinction with Honours at Diploma.
- The technical background has lead me back to the 'nuts and bolts' of the building design process: Specification writing, where I feel I can make the best contribution to a project's final outcome, with sensitivity to the aspirations of the designer and the ability to contribute to the design process.
- I am passing my general and specialist knowledge in this and related fields back to the industry via CPD (continuing professional development) conferences, practice's staff development seminars, workshops, software training and individual tutoring on project design, building construction, materials and professional practice.
- April 1999 I made a public declaration of intent to work with designers adopting sustainable approaches to building in the future and to influence others in this area. I have been lucky that most of my existing clients are welcoming the opportunity to green up their act and I am being approached by Green Architects as new clients.
- "I am a shrinking violet, a little green round the edges but less violet everyday".
- Since April 2001 I have set out to create the National Green Specification, describing all products with the right environmental credentials and performance characteristics available in or from the UK.

KEY ACHIEVEMENTS

- I have established a specification consultancy over the past 24 years, been self-employed 26 years and have 34 years experience in the industry.
- Successful commissions have included, new build, alteration, extension, conservation quality refurbishment; public, private and speculative projects, procured by general contracting, construction management, management contracting, design & build, DMC, GMP and BOOT.
- Project values carried out range from £50,000. to £511m. Package values range from £10,000 to £12m.
- Client list includes architects, interior designers, furniture designers, landscape architects, facilities managers and manufacturers. Whilst I have worked with D&B Contractor's Architects, I am still keen to work directly with contractors.

PROJECT ROLES

- Reviewing drawn, written, and scheduled information including briefing notes, outline specifications and production information from participating consultants, giving feedback on buildability, compatibility and quality; offering advice on alternative methods, materials and sustainable alternatives.
- Run Sustainability Design Reviews and Site Waste Management Plan Workshops round table brainstorming with the design team, Client, Contractor and Quantity Surveyor to review proposals and seek out opportunities to improve the use of site, methods or construction, choice of materials, services and use of resources in a cost effective manor to afford sustainable solutions.
- Reviewing Tenders for compliance with project documents and highlighting any short falls, reviewing any further submissions.

RELEVANT EXPERIENCE

- I am no longer a practising architect so do not normally design buildings, my commitment is to influence the architects and other project team members, I work with to consider and adopt green methods and materials, carryout any research to support a change and then specify them.
- Launched the National Green Specification NGS Nov. 2001
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- Launched Green Building Encyclopaedia GBE website 2012 <http://greenbuildingencyclopaedia.uk> 1900 pages so far 30,000 pages anticipated.
- Written >1000 PowerPoint seminars on sustainable construction, specification and professional practice.
- DTI PII funded Waste and Recycling project with BRE developed waste minimisation specifications for contracts
- Wrote and delivered 35 hours of seminars on Waste, Minimisation, Reclaim and Recycling, Circular Economy principles for small and large scale domestic, non-domestic building projects by 2010.

PERSONAL DETAILS

Date Of Birth 12 June 1956

Address: Home and Studio: 91 Oakleigh Drive, Orton Longueville, Peterborough, Cambs. PE2 7AR

T 01733 238148 Skype BrianSpecMan

E BrianSpecMan@icloud.com W <http://greenbuildingencyclopaedia.uk>

The Green Register Workshops

TGR is a Web based register of Consultants and Constructors offering sustainable solutions to building projects. TGR offer a two day course of seminars to introduce new members to the basics of environmental design and further in depth workshops on subjects for delegates to select from. The courses are run 3 times a year in London and increasingly around the country in partnership with Local Authorities. NGS offers 3 of the detailed workshops on **Design to Reduce Waste**, Greening the Office and NGS GreenSpec.

The full version of the Design to reduce waste is about 3 hours of material and now includes ideas related to the design process.

Kingston University's Recycled by Design

A survey of Architects and Designers on use of Recycled Building Products. NGS participated in the survey and was invited to speak at the Salford seminar to disseminate the survey results. NGS gave a visual presentation of alternative recycled construction materials and products for use in building, interiors, landscape and infrastructure.

SITEwise Waste Campaign

The Environment Agency's Anglian Region and Constructing Excellence invited UKCEED and NGS to participate in its SITEwise campaign initially tackling Construction Waste Management and Minimisation, at 6 events in the Anglian region.

NGS presented graphic representations of on-site, off-site and landfill, good, better and best practice in waste minimisation and management and case studies.

Design Guide to Using Reclaimed Equipment, Components and Materials in Buildings

Buro Happold and BSRIA are developing the Design Guide to Using Reclaimed Equipment, Components and Materials in Buildings.

NGS was on the steering group, participating in reviewing drafts and promoting the method of classification and structure of the guide. NGS is also contributing information to guide the authors and suggesting case studies.

BSRIA seminar

NGS and Buro Happold were invited to participate in a BSRIA seminar on the same subject.

BRE Certification of Recycled Building Products:

BRE Centre for Resource Management and WRAP held two events promoting and summarising the WRAP funded 50% grants available to manufacturers of recycled construction products to have BRE Certification carried out on its products. NGS was invited to speak at the first event about Regulations, third party accreditation, certification issues and NGS facilitated a workshop.

A38 Construction Waste management/minimisation Preliminaries

BRE Partnered with NGS to secure DTI Partners in Innovation funding to develop GBS Green Building Specifications:

A38 Construction Waste management/minimisation Preliminaries

C13 Building Fabric Surveys.

C20 Demolition/Deconstruction Resource Recovery/Waste Minimisation Specifications;

D20 Excavation/Filling Resource Recovery/Waste minimisation

Q29 Landscape Resource Recovery/Waste minimisation.

12 supporting Appendix, 400 recycled construction product pages and specification clauses and conversion of BRE publications to specification clauses.

BREMAP.co.uk waste and recycling GIS website

NGS shared data with BRE to improve the content of the website.

Links built from their website into NGS website

Identifying the Potential for Recycled Content in Project SLAM

Scott Wilson and NGS partnered in a WRAP funded project with Defence Estates "Identifying the Potential for Recycled Content in Project SLAM" (Single Living Accommodation Modernisation) 250 page report created.

DTI Launch of the SWMP Site Waste Management Plan

NGS spoke and presented Waste Graphic diagrams.

Two subsequent events for LA in Sussex.

WRAP AggRegain Website development of two modules as partners with other parties:

Sustainability Module with Golder Associates

Demolition Module with EnviroCentre

Reviewing drafts and contributing information.

Links built from the Demolition Module to NGS website

Application for WRAP Education and Training Programme:

Joint venture with Kingston Uni, West Focus, The Green Register and National Green Specification NGS website.

To introduce Recycled material selection and specification to many sectors.

Did not win the project.

Developed and presented Landscape Reclaim/Reuse Refurbishment/Recycling

BRE CfRM bid to WRAP, CE, EA, Envirowise SWMP workshops

Sept-Dec 2005:

NGS, UKCEED CE, EA & Envirowise ran similar events in past, joining with BRE to run 12 more will bring added information and statistics from SMARTwaste and a waste/recycling dedicated team.

BRE Demolition Event in Birmingham

26 Sept 05:

Will present the A38 Waste Management, C13 Pre-demolition Audit, C20 Demolition/Deconstruction Resource Recovery Specifications and their appendix.

Buro Happold Guide on Reclaim/Reuse or Recycling

07 Sept 2005

Presented NGS website at Events with CIRIA and BSRIA.

NGS with BRE joint conference on DTI PII funded Project

Nov 2005:

Suggested speakers and papers (research projects that NGS is involved in), running order, will speak and prepare papers for the NGS presentations, suggested exhibitors.

Joined BRE in bid for Defra Project

2005

National Waste Statistics, SWMP Checklists and more

London Constructing Excellence Club:

2006

Following presentation by the London Construction Consolidation Centre presented NGS view that CCC can also act as construction, alteration, demolition, excavation and landscape waste transfer stations.

WRAP Recycled materials & Waste Management project

Assisted Scott Wilson reviewing proposed WRAP standard clauses and existing project clauses and contract terms setting a requirement for recycled content in standard PPP/PFI contract templates for waste management infrastructure.

Envirowise Construction Packaging Guide

2006

Assisted Responsible Solutions in draft development, researching case studies, providing images

GG606 Managing packaging waste on your construction site

Developed SWMPP Site Waste Management Packaging Plan and guidance notes

Developed A39 Packaging Waste Management Specification and supporting Appendix

BRE CoRE Project

2006

Invited by BRE CfRM to be part of team, lunched July 2006

Envirowise Construction Resource Efficiency Club East Midlands

2006

Assisted Responsible Solutions in delivering a series of workshops to help reduce waste from 5 main Contractors and their supply chain sub-contractors on a number of projects to the value of £250,000 over 2 years.

SWMP Site Waste Management Plan Data Sheet Spreadsheet

2006

Running a SWMP workshop with Responsible Solutions realised SWMP datasheet could be turned into an automatic calculator to inform contractors of predictable waste quantities.

Seeking Envirowise funding to develop it.

Architects Journal Conference

Dec. 2006

Invited to run workshop on Design to Reduce Waste

SECBE South East Centre for Sustainable Environment

2007

Materials Exchange & Resource Efficiency Project

Assisted in creation of on-line survey,

Assisted with development of Waste Portal content,

Ran 2 workshops in Reading and Brighton, developed 4 PowerPoints on Materials Exchange

Developed Materials Resource Efficiency Specifications and Appendix.

Responsible Solutions Waste Questions Time

2007

Requested to present 2 minute paper but relegated to audience plant with questions

Developed additional slides for Design to Reduce Waste PowerPoint and included in display.

TGR The Green Register SBS Sustainable Building & Services

2007-8

Day 3 workshops requested by Newport University Wales

GreenSpec developed a day long workshop covering waste drivers, statistics, waste hierarchy, design to reduce waste, site waste management plans, site activity.

London Remade Recycled Construction Products Event

2007

Invited to speak on Recycled Materials and Products **Publishing CPD and Specifications on-line** 2009

Using www.scribd.com/BrianSpecMan to test public interest

200 documents attracted over 139,000 reads in 2 years

TSB Retrofit for a Future

2009-2010/11

GreenSpec are part of the Peterborough EnviroCluster team that have submitted a proposal and have reached stage 3: development to construction.

The project is seeking data for Government, we hope to enable the creation of Codes or Legislation to address the refurbishment of the existing housing stock, the ambition is to reduce carbon and energy loads by 80% or to a set low carbon level.

The project uses low carbon external insulation and render or reclaimed roof tiling and a labyrinth of air paths in external and party walls and pitched roof to collect lost heat and solar gains back to a heat recovery ventilation system for heating.

The specification maximises on reclaim and reuse of materials and products to reduce waste to landfill and makes use of UKCEED's EcoCentre for waste transfer and recycling of the material that cannot be put to reuse.

**EMBEC EMCBE EMDA & East Midlands Construction Environmental Improvement Club:
Design to Reduce Waste workshop**

2009

Responsible Solutions with GreenSpec ran a day workshop to a mixed audience of East Midlands Property Alliance and Local Government Officers.

BUILD-UP programme Westminster University and TGR

2010

Westminster University are running the Build-Up programme with EU Social funding for retraining the Construction Industry GreenSpec encouraged TGR to approach them indicating their syllabus did not address sustainable construction. TGR now involved in delivery and GreenSpec are one of the speakers.

Workshops include: 'Greening up Your Office', '**Design to Reduce Waste**' and 'GreenSpec' / 'MyGreenSpec'

MIMA mineral wool waste study

2011

GreenSpec on committee

SmartLIFE CPD Programme

2011

Started discussions about training programme