

Arthur Tatchell



CURRENT POSITION

Principal of Another Dimension.
Design Review panel member.

QUALIFICATION AND REGISTRATION

BSc (Hons), BArch (Wales),
DipFS. DipNLP, MBA, ARB. RIBA

1979

BSc (Hons) Architectural Studies,
UWIST, School of Architecture,
Cardiff

1981

BArch (Wales) UWIST, School of
Architecture, Cardiff

1983

Registered Architect ARB

1984

Corporate membership RIBA

1993

Diploma in the Theory and
Practice of Feng Shui.

Certificate of the Practice in the
Chue Style of Feng Shui

1998

Diploma in Neuro Linguistic
Programming

1995

MBA, Open University

2012

Completed Passivhaus Designers
Course.

PROFILE

Following his success in developing UK's first Passivhaus School and Europe's first Zero-Carbon School, in 2012 Arthur re-established his architectural consultancy to focus on Passivhaus Design and Sustainability in all sectors.

Arthur is continuing his research and investigation into off-site pre-fabricated sustainable solutions for construction projects focusing on the Tribus 4Wall system. He is currently working on a number of one-off and small residential projects to the Passivhaus and beyond Zero-Carbon standards. He is developing a Passivhaus community hub for the Methodist Church and has been involved in projects to improve the fabric-efficiency of existing dwelling houses, schools and NHS Surgeries. He is an active panel member of the Design Review Panel in the South West where he has been involved in reviewing schemes across many sectors including Para79 and National Parks proposals. He trained in Passivhaus Design through WARM in Plymouth in 2012 and has been involved in the ZEBcat Regen project for providing energy efficient retrofits since 2017. Recent projects include:

- The development of an entirely self-funding energy efficiency programme of works based on a Fabric-First approach to sustainability at **Humphry Davy School, Penzance, Cornwall** to achieve emission reductions ahead of national targets.
- Campus development plan for **St Petroc's CofE Primary School, Cornwall** to increase the capacity of the school from 420 pupil, 2FE to 630 pupils, 3FE. Design and Construction of Phase 3 works: additional year 2 and year 3 classes for September intake including internal refurbishment and remodelling.
- Application to the Education Funding Agency, in a bid for ACMF monies to help The Saints' Way CofE Multi Academy Trust provide an exemplar 21st Century model of learning in a new integrated school campus at **St Tudy CofE Primary School, Cornwall**.
- The conversion of the existing Methodist Church hall into a much needed village GP surgery for **Channel View Medical Practice**, Bishopsteignton following a long and protracted design programme which included a joint venture with the Bishopsteignton Museum and a stand-alone design solution using a SIP system to develop a modular off-site pre-fabricated Passivhaus Surgery.
- The conversion of four independent and non-viable hotels in Torquay into student residences for **Education First (EF)**.
- The conversion of an old hotel / leisure complex into 7No individual bespoke apartments for a private client.
- A number of individual dwellings / conversions / extensions and small housing developments for private clients focusing on sustainability issues, where possible advancing them to Passivhaus / Enerphit.

HISTORICALLY

Whilst working with Alex Gordon Partnership in 1989, just before he launched his practice Arthur was awarded first place in a national competition to design a new long stay hostel for young people with long term psychiatric problems. This led to an offer of a consultancy with Welsh Health Common Services Authority (WHCSA) where he was asked to Design **Torfaen Mental Health Unit for Gwent Health Authority** at Griffithstown General Hospital, Pontypool, It was here that Arthur started to develop an intimate knowledge of Health Care Design. Other projects included:

- Design of Brecon War Memorial Hospital phase one-development proposals following the partial completion of the consolidated brief, for **Powys Health Care NHS Trust**.
- Design of 533 bed Taff Ely and Rhondda District General Hospital based on Nucleus design principles, for **Mid Glamorgan NHS Trust**, Contract value £47m. Re-design of energy centre, mortuary, medical gases compound and waste disposal buildings. Contract value £3.8m.
- Feasibility design proposals for a Mental Health Unit at Nevill Hall Hospital, Abergavenny, for **Nevill Hall and District NHS Trust**.
- Feasibility studies for proposed new outpatients department based on traditional and Welsh Nucleus design principles, at Princess of Wales Hospital Bridgend, for **Bridgend and District NHS Trust**. Contract value £2.5m.
- Preparation of a design brief for the estate strategy and development proposals at various hospital sites for **Gwynedd Health Authority**, Estates Executive

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In 1999 Arthur joined David Hutchison Partnership as consultant Architect for the **Museum in the Park, Stroud**: the conversion of a 17/18th Century Country House, including a new build single storey wing, into a museum to exhibit local Stroud artefacts. This led to a pivotal role on the programme for the development of numerous Community Hospital under the Government's Private Finance Initiative for various NHS Trusts throughout the country, namely: **Tiverton, Chester-Le-Street, Liskeard, Newton Abbott and Sedgfield**. Other projects included:

- Scheme design, production information and contract management of the alterations and extension to **Hengrove Secondary School**, Hengrove, Bristol. Works involve new gymnasium, new dry changing facilities, re-roofing of the existing swimming pool, new and refurbished classrooms including science laboratories. Contract Value £2.5m.
- Scheme design proposals for **Wells Group Practice**, a 6-partner GP practice.
- Design for the **Paediatric Unit: Louisa Cary Ward at Torbay Community Hospital** (Phase 1 of the refurbishment of level 6, Old Block) Later the Turner Ward (Cancer Services).

In 2002 Arthur was asked to return to WHCSA, which, by that time had been privatised and taken over by Capita Property Services. Projects included

- Design Architect for **Pendle Vale College**, an 11-16 high school with 11-19 GLD Secondary School plus Learning support centre. A flagship development embodying Lancashire County Council's Vision Twenty Ten "Schools for the Future" core values. A phase one school setting the standards for the entire 15-year "Building Schools for the Future" programme of transformation.
- Design Architect for **Unity College**, an 11-16 High School plus Learning Support Centre and City Learning Centre with a focus on performing arts and a "theatre in the park" community facility, a phase two school within Lancashire County Council's 15-year "Building Schools for the Future" programme of transformation.
- The development of a new **£350m acute hospital at Forth Valley, Larbert, Scotland**. Healthcare planning services to establish 1:500 and 1:200 clinical planning models. Analysis of 1:50 room and equipment layouts. Delivery of departmental presentations to the Forth Valley Board.
- **New £300m PFI proposals for St Helens and Knowsley Hospitals NHS Trust**. Healthcare architect responsible for the 1/200 detailed clinical planning, 1/500 departmental relationships building massing and 1/50 room planning.
- Healthcare architect for the PFI proposals for the **Redevelopment of Health Services in Peterborough** (£270m) including brief development and healthcare planning responsibilities.
- Design Architect for the PFI proposals for a New **£56m Oncology and Haematology Unit for Hull and East Yorkshire NHS Trust** in association with Jarvis Projects Based at the Castle Hill site.
- The development of a new model of healthcare for the **Norfolk NHS LIFT and Medway NHS LIFT** initiatives incorporating primary and secondary healthcare into multi-practice medical and resource centres.
- Healthcare planning services for the **£120m extension to Gloucester Royal Hospital** PFI project for Bilfinger Berger, Main contractor to the development.

In 2007 Arthur became a health care consultant to HLM in Cardiff where he was successful in the competition for the new **local General Hospital for Newport** under the Welsh Health Estates Framework agreement. Other projects included

- The Minster College, Leominster: Herefordshire Council requirement for a new Community Sports College
- Newport Schools: **Bettws Secondary High School**: 1100 pupil community based secondary school embodying "All our children: all our business",
- Newport Schools: **Hartridge Secondary High School**: 1450 pupil community based secondary school to allow pupils to realise their learning potential.

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BRINGING THE HISTORY UP-TO-DATE

From 2008 to 2012 Arthur joined the South-West Regional office of a national property design and management services consultancy as Director of Architecture, temporarily suspending his private practice in order to take up this position. The attraction was the opportunity to develop his skills in affordable and sustainable design solutions and to complete two key projects for the company. The first was **Bideford College** The second was **Montgomery Primary School**. Projects included:

- **Bideford College:** A school for students aged 11 to 18 awarded specialist status in science in 2003, the project formed part of the Building Schools for the Future (BSF) programme, selected as a 'One School Pathfinder'. In recognition of the "low carbon" design solution and a BREEAM excellent rating, the College has been awarded a Partnership for Schools, Building Schools for the Future Award in the 'Most Sustainable School Design' category and a 2011 RIBA Regional Award.
- **Montgomery Primary School:** A 420 pupil primary (plus nursery) delivering the UK's first true Zero-Carbon school built to Passivhaus standards, providing total energy self-sufficiency over the annual cycle - without carbon off-setting. Designed on a modular basis and benefiting from off-site prefabrication, the building is extremely thermally efficient, air-tight and thermally massive. All heating and electricity is generated on site via roof-mounted PV panels making the school a truly Zero-Carbon, self-sustainable, stand-alone "environment of learning" four years ahead of Government targets for Zero-Carbon solutions.
- **Pre School Pods:** Building on these projects and responding to the recommendations contained within "The James Review", Arthur developed a design solution for modular repeatable units which integrated the benefits of sustainability, standardisation and off-site prefabrication for a cost effective solution for schools and colleges. While being standardised, the solutions had in-built flexibility to accommodate different key stages and specialisms. The solutions were available in different "building performance" standards, including Passivhaus and beyond Zero-Carbon models. This offered a flexible solution which was in the process of further development into many building sectors
- **Kings School, Ottery:** Preparation of a campus development plan and option appraisal to the expansion of education facilities, undertaken to support of an application to Central Government for Young People's Learning Agency (YPLA) funding. Kings School were successful in securing funding for an option to expand classroom facilities and science laboratories.
- **Borough of Poole Framework agreement:** The development of option appraisal studies to a number of schools in the Borough of Poole: Baden Powell and St Peter's CE VC Middle School (5-FE, 600 place school for children 8-11), Heatherlands Primary School (5-FE, 630 place school for children 4-10) and Hillbourne School and Nursery (2-FE, 60 place school for children 4-11 plus 26-FTE nursery for children aged 3) co-located with Longspee Special School (2FE, 46 place school for children 5-11). Project lead and design architect for Hillbourne and Longspee.

OTHER EXPERIENCE

Defence: Primary and Secondary Healthcare refurbishment Royal Air Force Medical Centre, RAF Lyneham; Extensive Property Condition Surveys and technical appraisals to numerous MOD and DTEO buildings/structures in Wales and England.

Commercial / Leisure: World Trade Centre Cardiff; Art Gallery and Hotel Complex for the City of Sheffield; Feasibility work sports/leisure complexes for Brent Walker including Brighton Marina and the Basildon Astrodome.

Science: Extensive laboratory facility, Biocatalyst.

AWARDS

First place in an RIBA competition to design a new long stay hostel for young people with long term psychiatric problems.

Commendation for the proposed art gallery and hotel complex for the City of Sheffield. RIBA Architectural Ironmongery Award, Guild of Architectural Ironmongery Award and a recommendation for a Civic Trust Award for the Museum in the Park, Stroud.

Partnership for Schools' Building Schools for the Future Award in the 'Most Sustainable School Design' category and RIBA Regional Award for Bideford College.

Passivhaus Accreditation for Montgomery Primary School . February 2012

Zero-Carbon status for Montgomery Primary School . October 2012