

Arthur Tatchell



CURRENT POSITION

Principal of Another Dimension

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

PROFILE

Taking a short break from running his own practice, Arthur, joined the South-West Regional office of a national property design and management services consultancy as the Director of Architecture to deliver a Zero-Carbon School. During this time the focus was on sustainable design solutions we he completed Bideford College and secured numerous awards for sustainability culminating in a 2011 RIBA Regional Award. He developed the concept for Montgomery Primary School, the first Passivhaus School in the UK (awarded a Quality Approved Passivhaus Certificate 1st February 2012) and the first true Zero-Carbon (in use) School in Europe (confirmed in October 2012). Further initiatives included the development of fixed-price, turn-key solutions for schools using standardisation, modular, off-site prefabrication techniques for cost effective sustainable solutions for the delivery of the education curriculum. Although leaving prior to the completion of this study, preliminary results indicate the cost for standardised schools can be reduced from the accepted norm of £1500/m2 to below £1200/m2. Arthur left in August 2012 to continue his research through his own architectural practice—Another Dimension.

Arthur first became involved in the technical aspects of the planning and regulatory frameworks for school design in 1998 with the University of Wales in Cardiff. He was responsible for the concept design of two schools under the Lancashire County Council's Vision Twenty Ten "Schools for the Future" programme: Pendle Vale and Unity Colleges. Based on the knowledge gained working on the "Schools for the Future" programme and his experience of working within the NHS, Arthur developed the framework for the design guide "Education by Design" to achieve shorter design and construction programmes, better quality and value for money.

Arthur has been involved in the speciality of health care design following his first place in a national competition to design a new long stay hostel for young people with long term psychiatric problems. He was design architect for the 533-bed nucleus hospital for Mid Glamorgan NHS Trust and Project architect for a new Oncology and Haematology Unit for the Hull and East Yorkshire Hospitals NHS Trust. He was responsible for the clinical planning for the new £300m PFI Hospital for the St Helens and Knowsley NHS Trust, and the £350m acute hospital for the NHS Forth Valley Board at Larbert, Scotland. Most recently he was successful in the competition for the new local General Hospital for Newport under the Welsh Health Estates Framework agreement.

EXPERIENCE

Following his success in developing UK's first Passivhaus School and Europe's first Zero-Carbon School, Arthur Tatchell has 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 based on his success in Passivhaus / Zero-Carbon design, he is also developing a "Fabric-First" CO2 reduction and energy efficiency programme which can be delivered to clients on a cost-neutral basis

MONTGOMERY PRIMARY SCHOOL, EXETER

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.

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.

THE MINSTER COLLEGE, LEOMINSTER.

Herefordshire Council required the design teams competing for this project to provide a dynamic environment to stimulate and inspire students, maximising the educational use of the school and external performance spaces linked to the adjacent community theatre, in a holistic urban design solution addressing the high street. The scheme achieved first place in the design and aesthetics categories, although placed second in the competition.

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NEWPORT SCHOOLS — BETTWS SECONDARY HIGH SCHOOL

A 1100 pupil secondary high school. A community facility which will deliver the Council's mission statement of, "All our children—all our business." including large central shared spaces, community facilities, social interaction areas and a hierarchy of teaching spaces.

NEWPORT SCHOOLS — HARTRIDGE SECONDARY HIGH SCHOOL

A 1450 pupil secondary high school. A community facility following the same design principles identified with Bettws that will enable pupils to realise their learning potential.

EDUCATION BY DESIGN

Arthur was the principal author for the design guide for the effective design and construction of schools (based on work undertaken within the Healthcare Sector.) The document focuses on the combination of modular design, off-site prefabrication, modern methods of construction, sustainability issues, improved quality and value for money.

PENDLE VALE COLLEGE

A 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.

UNITY COLLEGE

A 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.

NEWPORT LOCAL GENERAL HOSPITAL

The new build Local General Hospital that will be a landmark building for Interserve Health Wales and a replacement for the Royal Gwent Hospital, Newport.

ACUTE HOSPITAL, NHS FORTH VALLEY BOARD

The PFI scheme for the new £325m Acute Hospital for the NHS Forth Valley Board at Larbert, Scotland. Joint venture with MAKE architects.

ST HELENS & KNOWSLEY HOSPITAL

Healthcare architect for the new £300m PFI proposals for St Helens and Knowsley Hospitals NHS Trust.

ONCOLOGY & HAEMATOLOGY UNIT, HULL & EAST YORKS NHS TRUST

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.

GLOUCESTER ROYAL HOSPITAL PFI

Healthcare planning services for the £120m extension to Gloucester Royal Hospital PFI project for Bilfinger Berger, Main contractor to the development.

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.

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.

Laboratories: Extensive laboratory facility, Biocatalyst.

AWARDS

Joint first prize 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 for the Museum in the Park, Stroud.

Guild of Architectural Ironmongery Award for the Museum in the Park, Stroud.

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.

2011 RIBA Regional Award for Bideford College.

Passivhaus Accreditation for Montgomery Primary School . February 2012

Zero-Carbon status for Montgomery Primary School . October 2012
