



LISA ANN PASQUALE

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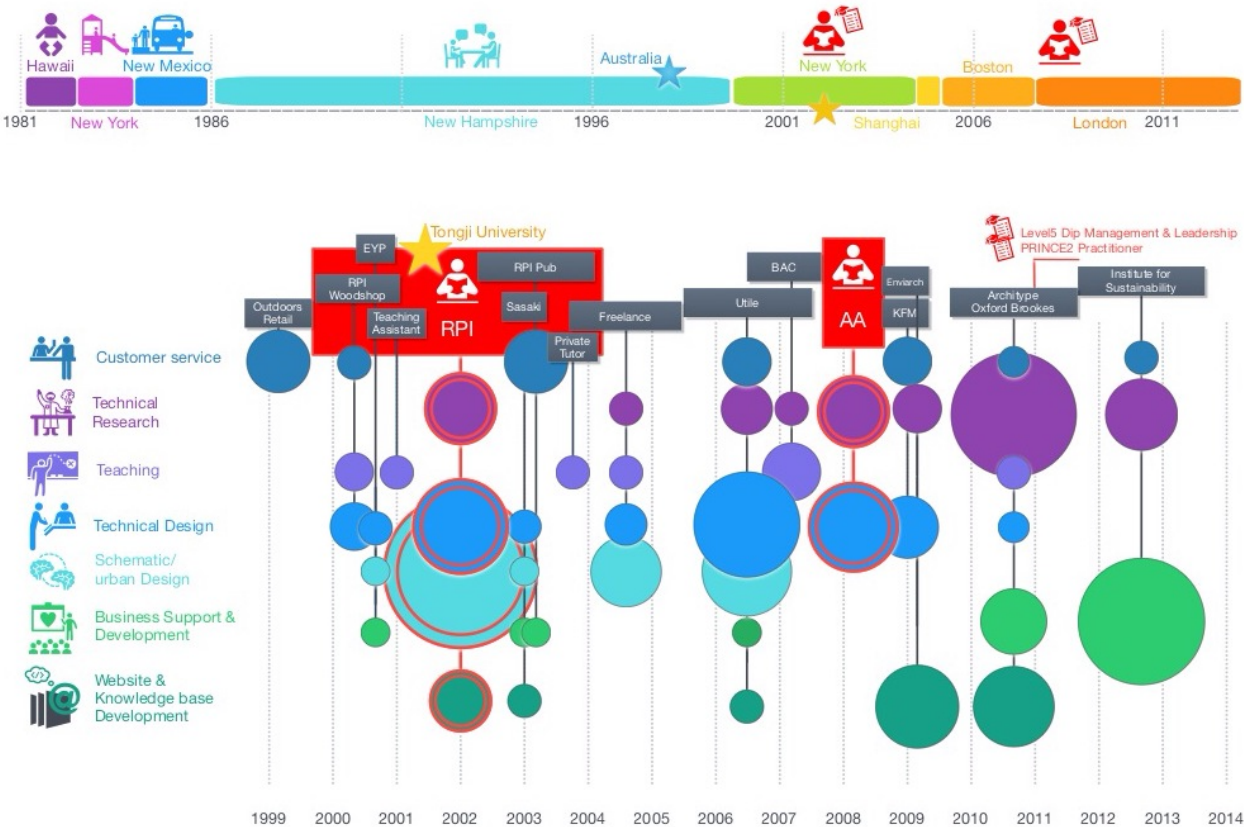
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Experienced building performance specialist with intensive knowledge of building physics, in-use energy behaviour in buildings, quality control in construction and improving processes to aid in de-risking the delivery of low-energy buildings.



Lisa's unique perspective on energy efficiency in buildings picks up where most professional architecture and engineering consultants leave off – how the building works, after it's handed over to the client. This unique insight into the actual energy behaviour of buildings, and how it can be better assured, is an asset in advising clients and project teams, and helping to de-risk projects and buildings from in-use failures, performance shortfalls and unintended consequences.



TECHNICAL RESEARCH - KEY PROJECTS

2011-2013 Institute for Sustainability - Measurement Monitoring and Evaluation Expert

FLASH and FLASH+	Coordinated and communicated key learning from the Technology Strategy Board, BPE & Retrofit for the Future Programmes to SME's, through workshops, case studies and several publications
Queenborough and Rushenden	Conducted the technical coordination of a large-scale evaluation of a CESP-funded retrofit Commissioned a Power-pivot data-processing tool for energy, temperature and RH data
OpenHouse	Contributed to the "process" (project management) credits, to reflect the Soft Landings principles, for an FP7-funded, open-source, green building rating system
Invest in Innovative Refurbishment	TSB-approved Evaluator for two buildings at Nottingham Trent University and Reading University for a new BMS controller system

2009-2011 Oxford Brookes University - Sustainable Design Development Manager (KTP Associate)

Stroud Co-housing BPE	Evaluated a 32-unit development, including annual energy consumption (all units), selective load profiling, PV monitoring, internal temp and RH, BUS Methodology surveys, thermographic imaging, walk-throughs, detail review, and user & design team interviews.
Primary Schools and Children's Centres BPE	Evaluated multiple primary schools and children's centres, including annual energy consumption (TM-22 v6), selective internal temp and RH logging, BUS Methodology surveys, thermographic imaging, walk-throughs, detail & design reviews, and user & design team interviews. <ul style="list-style-type: none"> - Sunnyhill Children's Centre - St. Luke's Primary School - The Willows Primary School - Barton Hill Primary School
West Office	Evaluated Architype's West Office, including annual energy, internal temp and RH logging, thermographic imaging, walk-throughs, detail and design review.

2008 Architectural Association School of Architecture - MSc Student

The Eden Project	BPE of the Eden Project's two primary office spaces, looking at issues of building controls, environmental strategy design, occupant behaviour and maintenance as it related to occupant comfort and sense of control, and energy.
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2007 Boston Architectural College - Educational Committee Grant

Experiments in Hapticity and Designing for the Blind	Designed a full-scale installation to pilot-tested the psychological & comfort responses of participants in two darkened spaces, with different environmental qualities (heat, humidity, acoustics, air movement, smell) to raise awareness about accommodating people with vision impairments. Installed at the Sense of Place Conference, at the Eden Project.
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2003-2004 Rensselaer Polytechnic Institute

Designing for sensory impairments	Researched navigation and spatial awareness in individuals with sensory disabilities and developed a series of guidance for how to consider and articulate sensory information in spatial design.
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BUSINESS SUPPORT & DEVELOPMENT

2013- Six Cylinder Limited - Director

Business Development Self-initiated a start-up consultancy in building performance and research
 Developing strategic partnerships with larger consultancies and academic institutions to offer specialist consulting services
 Supporting key industry organisations in building performance research and dissemination

2011-2013 Institute for Sustainability - Measurement Monitoring and Evaluation Expert

FLASH+ Developed the content for an ERDF-funded business support programme for SMEs on low-carbon building performance.
 Delivered business support workshops for SMEs in the built environment sector on retrofit, research funding, building performance and building performance evaluation
 Government Soft Landings Led a working group and advised Cabinet Office on the Government Construction Strategy

2009-2011 Architype LTD - Sustainable Design Development Manager (KTP Associate)

Knowledge Transfer Partnership Developed 'lite' protocols for conducting BPE on domestic and non-domestic buildings to enable cost-effective feedback for the delivery team
 Developed a bespoke Soft Landings approach for Architype to deliver as a service
 Planned and executing CPD sessions and workshops with the designers and the delivery teams to embed learning from BPE back into delivery practices

2005-2007 Utile Inc - Job Captain / Architectural Designer

Developed methods of adopting pre-fabricated construction to suit affordable housing specifications

EDUCATION

2008 Masters of Science - Sustainable Environmental Design

The Architectural Association (AA) School of Architecture, Energy & Environment Department

2004 Bachelor of Architecture - Cum Laude Distinction (2:1 equivalent)

Rensselaer Polytechnic Institute (RPI)

2001 Semester Study - Urban Planning

Tongji University, School of Architecture and Urban Planning

VOCATIONAL QUALIFICATIONS

PRINCE2 Certified Practitioner
 Level 5 Diploma in Management and Leadership

ENVIRONMENTAL ANALYSIS SOFTWARE

EcoTect, Meteororm, TAS, AirPack, Solar Tool, ENVI-Met

GRAPHICS AND MODELLING SOFTWARE

Maya, Form-Z, Softimage XSI, Sketch-Up, Adobe Creative Suite



TEACHING

INSTRUCTOR / TEACHING ASSISTANT

BOSTON ARCHITECTURAL COLLEGE

2006-07 A -1 Studio instructor & Contemporary theory teaching assistant

RENSSELAER POLYTECHNIC INSTITUTE

2005 Environmental & Ecological Systems, Curriculum-planning Assistant
 2003 - 04 Private Tutor, maths
 2000 - 01 Wood shop Assistant
 2000 History of Architecture 1 (BTA 1), Teaching Assistant

INVITED LECTURER

2011, 2013 Boston Society of Architects: Build Boston (ABX) Conference
 2013 Sheffield University: Procure, Produce, Perform
 2012 Homes 2012, London
 2011 Design Commission for Wales, Cardiff
 2010 Oxford Brookes University: OISD:LCB, Oxford, UK
 2009 -14 Architectural Association School of Architecture, London, UK
 2009 Institute for Human Centred Design, Boston, MA

AWARDS

The Building Awards (UK)	Inaugural 'Cut The Carbon Award' (Architype)	2011
Bedford Initiative Workshop	Integrating Engineering & Architecture - Scholar	2004
Matthew W. Delgaudio Award	Outstanding Academic Achievement	2004
Peck Prize, Hon. Mention	Best Solution to an Architecture Thesis Project	2004
AIA Eastern NY Citation Award	Susan O'Dell Taylor School	2003

INTERESTS

- Westminster Boating Base, volunteer handy-woman and trainee kayak instructor
- FistJam Rock Climbing club (informal organisation), Quartermaster
- Former board member of Constitution Yacht Club, Boston

