

# TREVOR WHITTAKER MBA BSc Dip.M MICE

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## HIGHLIGHTS

- Considerable knowledge of most renewable energy and low carbon sectors
- Wide range of senior contacts across industry and public-sector stakeholders
- Senior positions include head of new markets for John Laing Investments, director of several companies and interim associate director for Stoke-on-Trent City Council

## PERSONAL SKILLS

- Successful track record in investment and management of capital projects
- In-depth business development, commercial, funding and technical expertise
- Experienced manager of multi-disciplinary teams

## CAREER

**Infrastructure Advisory Network    Director    2015 - to date**

Investigation of market potential in UK for use of large-scale water source heat pumps to deliver low carbon heat.

**Stoke on Trent City Council    Interim Assistant Director    2013 - 2015**

Led "Green Enterprises" team with responsibility for: municipal waste strategy, treatment & disposal; closed landfill sites, ECO Schools programme, utility bill validation, statutory GHG & CRC reporting, conception of major energy efficiency (RE:FIT) scheme; and development of a programme of renewable energy / low carbon schemes. The latter included:

- City-wide deep geothermal district heat network (for which secured £20m of City Deal funding)
- Biomass boiler and wood fuel preparation hub using European funding (Interreg ARBOR project)
- Options analysis for both Weekly Waste scheme (funded by DCLG), and organic waste treatment including use of anaerobic digestion
- Bid preparation for funding from OLEV (Office of Low Emission Vehicles) for Ultra Low Emission Vehicle (ULEV) bus service, and also network of rapid recharging points
- Feasibility studies into extracting Coal Bed Methane (CBM), onshore wind, landfill methane use, solar PV, electrical grid power storage and use of heat from flooded mine water
- Developed proposals for facilitation of Community Energy

Created Stoke EnergyCo Ltd and served as director. Also director of CoRE (Centre of Refurbishment Excellence), UK's leading centre of learning and training for sustainable building refurbishment, for which Council is a major shareholder.

**E.ON    Interim Project Director**

**2012 - 2013**

Led multi-disciplinary team for E.ON-Tata Chemicals-John Laing consortium bidding £500m Energy-from-Waste (EfW) PPP project. Member of steering committee and managed project team based in UK and Germany.

**Costain plc**                      **Interim Investment Manager**                      **2011 - 2012**

Led multi-disciplinary team on behalf of investment arm of Costain for due diligence into company using innovative technology for mechanical heat treatment (MHT) of waste. Value engineered development proposals for intended first site and prepared submission to investment committee.

**Kew Biogas**                      **Developer**                      **2011**

Development analysis of BtG anaerobic digestion scheme to inject bio-methane into the national gas grid. Selected suitable site, procured agricultural contractor and sought feedstock contracts.

**Major UK waste company**      **Consultant**                      **2011**

Analysis of market in Central Europe for the export of residual waste (SRF/RDF) from the UK, including determining individual energy and cement plants with ability to use such feedstock, constraints and logistics costs.

**National Grid**                      **Interim Commercial Manager**                      **2010 - 2011**

Commercial advice to National Grid on its participation in a consortium with Scottish Power and Shell for development of £1bn Longannet CCS (Carbon Capture & Storage) scheme, including shareholder agreement and commercial terms with the authority, DECC.

**National Grid**                      **Consultant**                      **2010 - 2011**

Development of National Grid's contracting strategy for £500m+ OFTO projects (connecting offshore wind farms to onshore national grid), including analysis and mapping of global supply chain.

**E.ON**                      **Consultant**                      **2010**

Development for E.ON of its feedstock strategy for CHP energy plant at Kemsley Mill, Kent that will consume 500kt/a of waste. This included identifying suitable waste companies as potential partners, and relevant PFI/PPP schemes for E.ON to bid.

**Wind farm developer**                      **Interim Commercial Manager**                      **2010**

Preparation for financial close of onshore wind farm, including agreement of commercial contracts.

**Carbon Trust**                      **Consultant**                      **2009**

Identification and analysis of constraints in anaerobic digestion market for investment arm of the Carbon Trust (CTEL) , covering agriculture, municipal and commercial & industrial sectors.

**North London Waste Authority**                      **Interim Procurement Manager**                      **2009**

Led on funding issues, interim waste services contract, and fuel (SRF/RDF) use contract (for generation of 50MW of renewable energy) for authority's procurement of complex £1bn+ waste PFI project.

**John Laing Investments Ltd**                      **Investment Director**                      **2001 to 2009**  
*Infrastructure investment company owned by a Henderson fund - invited to join by CEO.*  
Responsible for New Markets and led company into renewable energy. Bid / initiated 4 major investments that John Laing Plc signed in 2008 alone.

Undertook detailed analysis of main low carbon & renewable energy sectors, determined suitability and created B2B opportunities. For each, selected multi-disciplinary teams including debt funders, managed due diligence, structured investment and obtained Investment Committee approvals to bid. For example, created joint venture company to develop and operate energy plants fuelled by waste wood across UK and was company director for John Laing.

Very successful track record in bidding PFI/PPP schemes across majority of sectors, each with capex values up to £500m. Created Special Project Companies (SPVs) and hands on experience as a SPV director in resolving operational issues.

**AMEC Developments Ltd**                      **Senior Development Manager**                      **1997 - 2001**  
*Property subsidiary of AMEC plc*  
Day-to-day responsibility for Public-Private Partnership (PPP/PFI) activity including marketing and bid management for defence, healthcare, further education and corporate sectors. Prepared business plan, won two PPP/PFI investment schemes and successfully shortlisted to 1 of 3 for two others. Work heavily reliant on detailed knowledge of property issues as well as project finance. Selected for Director Development course.

**Frogmore Estates plc**    **Director (investment & development subsidiaries)**    **1995 – 1997**  
*Dynamic UK property company*  
Reported day-to-day to main board MD, and monthly to main board, with responsibility for setting-up and managing project delivery department. Recruited team and established commercial requirements, developed systems & procedures, and created contract standards.

**Indeco Ltd**                                      **Senior Consultant**                                      **1993 – 1995**  
*Niche management consultancy advising blue-chip clients at strategic level*  
Reported to partner, with responsibility for advising Railtrack on their major business start-up (during demise of British Rail).

- Advised client, up to main board level, on best practice in business start-up of a major division with £600m/yr investment budget for capital projects and maintenance.
- Designed 800 person organisational structure for a major division down to "last man".
- Created transition processes and drafted quality manual, job descriptions, detailed operational procedures and TUPE negotiation presentations to unions.

**MBA degree - Cranfield University**                                      **1991 - 1993**  
Electives included business strategy, change management, project finance and tax.

## **OTHER CAREER DETAILS**

MEPC plc (was leading UK property company)	<b>Project Manager</b>	1987 – 1991
Schal International Ltd (now part of Carillion)	<b>Asst Project Manager</b>	1984 – 1987
John Laing plc	<b>Graduate rising to Engineering Manager</b>	1978 – 1984

## **PROFESSIONAL QUALIFICATIONS & EDUCATION**

Royal Institute of Chartered Surveyors	CPD credits	1999 – 2001
Institute of Marketing	Diploma	1992
Cranfield University	MBA (full-time)	1991 – 1992
Institution of Civil Engineers	Chartered	1984
Imperial College, London	BSc (2.1 Hons) Civil Eng	1975 – 1978

## **INTERESTS**

Member of Renewable Energy Association (on Biogas working group)

Tennis, sailing, motor racing & theatre

Committee member of Pensford Tennis Club, Kew