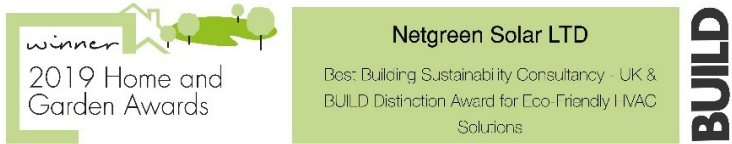


CV of Neil Turley

PERMANENT POSITIONS

2021 – Managing Director and Founder <i>NetGreen.EU</i> http://www.netgreen.eu/	PLATFORM TO PROMOTE ENGAGEMENT IN SUSTAINABLE SOLUTIONS/PROJECTS: netgreen.eu Netgreen.news Netgreen.community Netgreen.solar netgreen.solutions Design and Support Installation of a standardized Solar Thermal hybrid Heat Pump Solution, for Space Heating, DHW and Swimming Pool Heating – Residential Projects
2012 – Managing & Engineering Director <i>NetGreen Solar Ltd – UK</i> www.netgreensolar.com	TYPE OF PROJECT INVOLVED: R&D, Promotion, Designing, Project Management and Installing Solar Assisted Solutions for use in the Residential & Tourism Industry in Portugal. Technology applies high efficient Heat pipe thermal collectors, Thermal storage and Heat Pumps into controlled Innovative Engineered Solutions. Included additional electrical solutions for Rural Hotels such as 'Soft Start' controllers. 
2002 – 2008 Managing Director and Principal Engineer	TYPES OF DEVELOPMENT PROJECTS INVOLVED: Liquid Desiccant Dehumidifier Prototype Testing - European Funded CRAFT www.dehumid.info Sustainable Construction – development/trail of Prefabricated Systems

NET Green Developments Lda , Portugal www.netgreendevelopments.com	Development of EuroBlock (Polystyrene Block/structural steel/concrete) building system Retrofitting a domestic house with water recycling system, Passive Cooling (using Earth pipes) and controlled ventilation. Design, Development of "Solar Heat", an innovative solar assisted heating system using PCM thermal storage and Embedded control. Research and Development of IP technology applications for domestic house purposes Development of Open Source PhP/MySQL database systems for web control remote device server technology Feasibility study for retrofitting the LTHW systems for a tourism complex Feasibility and Development plan for an Eco Tourism complex in the Algarve, Lagos Design and Development of a Sustainable dwelling based on a Metal structure modular "Yurt" system. Development of a LEED Rating Assessment Excel spreadsheet Tool. Member of the Eco-Innovation Working Group; Lisbon Council; Brussels Development of 'NetGreen Heat' (Combi system) European Commission Research FP7 - Expert Project Evaluator.
2005 – 2012 Managing Director and Principal Engineer NET Green Solar Ltd , UK www.netgreensolar.com	TYPES OF R&D PROJECTS INVOLVED: Prototype installations using Solar assisted heating for domestic applications. Technology uses high efficient Heat pipe /Vacuum tube thermal collectors and PCM thermal storage floor panels. On-going development of a Solar assisted heating solution using FCUs and air/water Heat Pumps. Embedded Controller in development to provide historical and real time control, with programming and input of remote variables to ensure continuous efficient performance characteristics. Building up a supportive commercial installer structure throughout Portugal

CONSULTANCY CONTRACT POSITIONS

Jan 2020 – Nov 2021 Resident Mech. Design Engineer <i>Consultant MEP</i> BDP – UK www.bdp.com	TYPE OF PROJECTS INVOLVED: 3 T's Hospital New Build in Brighton – Stage 1– Royal Sussex NHS Trust. Equipment fit out of MRI & CT Suites and Theatres. Design of interlinking Live Hospital Sub Basement Corridors – Fire Strategy and HVAC Services. RFI Management to reduce significant outstanding historical technical Queries from Main Contractor Engineering Design/Install Team. Resident Engineer Contract terminated due to remote working (COVID).
April 2018 – Feb 2019 Principal Design Engineer <i>Consultant MEP</i> Hydrock – UK www.hydrock.com	TYPE OF PROJECT INVOLVED: HVAC Installation at Evelina Hospital (Guys & St. Thomas) – Westminster, London. Leading Engineering Design Team (and Project Manage) to support and Coordinate installation of MEP Design, for Installation of two Ward Floors with MRI Suite. Including installation/coordination of external Plant such as AHUs, Chillers, Steam/LTHW Heat Exchangers, VRF Condensers and related Infrastructure. Required to setup systems to improve the Administration of the Project, the Issued Information to Client and Variations (supporting QS).
Sept 2017 – March 2018 Senior Design Engineer <i>Consultant MEP</i> Roughton International – UK www.roughton.com	TYPE OF PROJECTS INVOLVED: HVAC Redesign/Refurbishment of Ambassador's Residence – FCO Manila, Philippines. Portsmouth QA Hospital – Carillion – Asset/Risk Management Survey. Refurb. Projects for ENGIE – Kingston Primary Schools; Kingston Crematorium and Solar & Heat Pump relocation (Avon & Somerset Police) Refurb. Projects for MITIE – MayFlower Primary School & Basildon CC
Sept 2016 – Feb 2017 Principal Design Engineer	TYPE OF PROJECTS INVOLVED: Building Services changes (churn) on Bank floors – Namoura Bank London Headquarters, Infrastructure Study & Report - Bank of America, London Bromley.

Consultant HVAC MEIT Consultants – UK www.meit.co.uk	De-Commissioning of Server facilities, into CAT B office design - TIMES Inc (London)
Jan 2016 – Sept 2016 Senior Design Engineer Consultant MEP Chapman BDSP – UK http://www.chapmanbdsp.com/	TYPE OF PROJECT INVOLVED: Leading the Final Design Issue for the Smoke Extract systems in the Iconic Battersea Power Station. Total of 49 different Smoke Extract systems to design through to completion, Issue and present to the Client. Technology used – Atrium Extract systems for Open Retail, Ductwork systems for Basements, Retail units and Offices. Colt Shaft systems for Firefighting lobbies and protecting Escape routes.
Jan 2015 – Feb 2016 Senior Design Engineer Consultant MEP Ferguson & Brown – UK www.ferguson-brown.com	TYPE OF PROJECT INVOLVED: Leading the M&E Design Team on a Complete Refurbishment of a High Finish £120M domestic property in London – Hanover Lodge. Involved with Mechanical Design, Management of Mechanical Contractor and direct input to Client/Design Team (DTM meetings). Technology used – Ventilation plant, FCUs, Displacement, CV & VT heating/cooling systems, Chiller replacement, UFH, Health Spa systems, KNX control and HVAC integration into high value finishes.
2008 – 2009 (18 months) Lead Design Engineer Consultant HVAC Pha Consult – UK (now part of Foster & Partners) www.phaconsult.com	TYPE OF PROJECT INVOLVED: Designing the first complex of the Sustainable city of Masdar (Abu Dhabi), MIT's UAE University's campus, www.masdar.ac.ae , a Foster Architectural project. The complex was made up of different building types – Residential, Lecture Halls, Laboratories, Retail & Recreation, Library, Clean Rooms, Workshops and Underground stations. Scope to use the most advanced, innovative HVAC technology to create the most energy and water efficient, sustainable Campus possible.

	Led the MEP Design Team through all stages from Concept, Scheme to Detail Design, as Principal HVAC Design engineer, with a support Design Team. Used technologies such as – Passive facades, Liquid Desiccant Latent cooling, Enthalpy wheel recovery, Variable speed FCUs, High performance Chilled Beams, Absorption Chillers, Geothermal Heat Pump heat rejection, Multi fan wall AHU's, Centralised air quality monitoring system, Flexible design of Laboratory Services and a database driven iBMS (for all building services) using the Lonworks protocol.
2006 - 2008 Senior Design Engineer Consultant HVAC MEIT Associates – UK www.meitassociates.com	TYPES OF PROJECTS INVOLVED: Total Refurbishment of Schroder Investment Bank Headquarters, Scheme to Detail Design. New Trading floor in Moor House, for Macquarie Bank, using high performance CHW active cooling Trading desks, Scheme Design Refurbishment of the Trading floors & Ground floor and new Plant Room for the London HQ of Societe Generale, Concept & Detail Design through to Commissioning and Sign Off – VAV, FCUs, Chilled Beams, Full fresh AHU with recovery and Chiller Plant.
2005 – 2006 Design Engineer Consultant Sustainable HVAC Fulcrum Consulting – UK www.fulcrumfirst.com	TYPES OF PROJECTS INVOLVED: Innovative Heating system design, Scheme to Detail Design, for a heavy mass building (Medieval castle). Passive/Active Termodeck design, Feasibility to Scheme Design for South East Essex college
2005 Design Engineer Consultancy HVAC Chapman Bathurst – UK www.chapmanbathurst.com	TYPES OF PROJECTS INVOLVED: Server room A/C design in different commercial offices Ealing College HVAC commissioning Design and Build specifications for a new build Student accommodation block – North London University.

2000 – 2001 Research Sabbatical	TYPES OF RESEARCH INVOLVED: Eco Building Designs – Passive and Active Sustainable Product development available in the Construction Industry Sustainable HVAC systems in development and available in the Construction sector.
1995 – 2000 Managing Director & Principal Engineer <i>M.M. Duarte Lda, Portugal</i>	ROLE IN POSITION: Administrative and Management of Office and Works personnel Project Management of a 15,000m2 false ceiling Installation in a pharmaceutical factory for Cilag, including Clean room systems Project Management of Domestic Housing build projects with landscaping design Principal Design Engineer and Team administrator - Central Heating Installations Project Engineer in Product Development of steel structure building modular systems
1994 – 1995 Technical sales & support <i>Euronet Ltd, U.K. & Portugal</i>	ROLE IN POSITION: Sales, installation supervision and Product development for Scottish Solar Panel manufacturer
1990 – 1994 Project Engineer <i>NIFES Consulting Group, Bishop Stortford Office, U.K www.nifes.co.uk</i>	TYPES OF PROJECTS INVOLVED: Energy and Water Surveys for County Council premises, such as schools and administrative buildings Energy Surveys in Dagenham Ford Plant Legionella and water surveys for several BBC premises and Universities, in different locations around London Feasibility studies for different HVAC systems in different BBC premises Design, Contract Tenders and Project Management of HVAC systems for Hounslow CC and Ealing Film Studios Project Management and Commissioning of Building Services for Cambridge Business Park Monitoring and Analysis of Methane Gas production in Dagenham Landfill Site for compression and Gas Turbine.

	Commissioning of HVAC plant on Shell Cormorant Alpha North Sea Platform Project Management of different London CC's Central Heating projects in council housing blocks Feasibility and Project Management of retrofitting District Heating systems in council blocks for St. Albans & Thamesmead CC
1989 – 1990 Research Engineer <i>Marston Palmer Ltd,</i> <i>Wolverhampton, U.K.</i> www.hsmarston.co.uk	ROLE IN POSITION: Analysis of performance of compact Heat Exchangers, using Test bed monitoring of oil/water/fuel heat exchangers, for the Euro-fighter Aircraft. Mathematical modeling tools developed for different variables and plate patterns

QUALIFICATIONS

1985 – 1989 University of Wolverhampton. UK	Degree in Mechanical Engineering (Mech. Eng. Hons) Specialised in Heat Transfer & Energy
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Up dated: 08th Feb 2022