
DIEGO CALANDRINO

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PROFILO PROFESSIONALE

Ingegnere meccanico specializzato in energia con dottorato di ricerca internazionale, possiede ampie competenze in management, ingegneria di processo ed energie da fonti rinnovabili. Esperto in finanza di progetto e nella gestione di gruppi multidisciplinari di consulenti, ha inoltre acquisito rilevante esperienza lavorando allo sviluppo di progetti in campo energetico per una vasta gamma di clienti a livello internazionale, sia in ambito privato che pubblico.

ESPERIENZA LAVORATIVA

■ Dirigente-Energy Manager – Comune di Genova, Genova, IT Apr 2015-present

Dirigente, con nomina di Energy Manager, della Struttura di Staff-Energy Manager dell'Area Tecnica. Direttamente a contatto con lo staff del Sindaco, è responsabile per attività di coordinamento delle politiche energetiche comunali; elabora proposte di partenariato pubblico privato finalizzate all'efficienza energetica; individua azioni e interventi per promuovere l'uso razionale dell'energia, il risparmio energetico e lo sviluppo di fonti rinnovabili; svolge attività di promozione e ricerca di finanziamenti in campo energetico;

■ Senior Project Manager – Mott MacDonald, Brighton, UK Nov 2011-Mar 2015

Responsabile per la gestione dei servizi di *Lenders' Engineering*, *Owners' Engineering*, e *due-diligence* per lo sviluppo di centrali energetiche da fonti rinnovabili. Gestione di gruppi multidisciplinari di consulenti e delle relazioni con i principali clienti della compagnia. Spesso coinvolto in varie iniziative di marketing e gare, incluso la preparazione di proposte di lavoro e la partecipazione ad eventi di networking.

■ Masterplanning Engineer – Mott MacDonald, London, UK 2010-2011

Responsabile della consulenza sulla pianificazione energetica territoriale e sviluppo urbana sostenibile; consulenza per le politiche energetiche a livello locale, regionale e nazionale; valutazione di strategie infrastrutturali per l'uso sostenibile di energia, acqua e rifiuti; formazione post-laurea d'ingegneri-junior; sviluppo *in-house* di strumenti informatici per la modellazione energetica e le emissioni di CO₂.

■ Energy Technology Specialist – Fulcrum Mott MacDonald, London, UK 2007-2010

Responsabile della progettazione d'impianti tecnologici per la pianificazione energetica territoriale e sviluppo urbana sostenibile. Consulenza alla progettazione d'infrastrutture energetiche sostenibili riguardanti principalmente fonti rinnovabili e distretti energetici. Progettazione d'impianti HVAC e installazioni geotermiche (GSHP, ATEs) per la climatizzazione di edifici. Analisi di redditività d'impianti da fonti rinnovabili.

■ Biomass Process Engineer – Moncada Energy Group, Agrigento, IT 2006-2007

Responsabile per la progettazione e implementazione d'impianti geotermici binari ORC, impianti di potenza a vapore da biomassa e biocombustibili. Progettazione di sistemi di raffreddamento per turbine eoliche.

■ Sales and marketing officer – Fonderie f.lli Mora, Brescia, IT 2005-2006

Gestione portfolio clienti, servizio di *customer-care*, ricerca di potenziali clienti nel mercato. Negoziazione per le forniture di pezzi in ghisa a una vasta gamma di aziende nazionali e multinazionali attive nel settore energetico, tra cui: Ansaldo Energia (Finmeccanica), Sauzer, Wartsilla, Nuovo Pignone (General Electrics).

ESPERIENZA DI VOLONTARIATO

■ Project Manager per installazione fotovoltaica, Alcamo, IT 6 mesi nel 2011

Progettazione, approvvigionamento, costruzione e monitoraggio d'impianti fotovoltaici su scala commerciale. Alla guida di un consorzio d'ingegneri per assistere un'organizzazione senza scopo di lucro a ottenere prestiti, autorizzazioni e incentivi, per impianti fotovoltaici di 90kWp collaudati nel Novembre 2011.

ISTRUZIONE E FORMAZIONE PROFESSIONALE

- 2017** **Certificazione EGE, IT** – Corso e Esame in “Esperto Gestione Energia” – 40-ore ETCS.
- 2015-2017** **Università di Burgos, ES**
Ph.D. - Dottorato Internazionale, titolo tesi: “Smart People for Smart Cities”;(cumlaude internazionale).
- 2016** **IBCcnferences, IT** – Corso in “Business plan per Efficienza Energetica” – 8-ore ETCS.
- 2016** **Università di Salamanca, ES** – Corso in “BUCUM: Building Capacities for University Management” – 40-ore ETCS.
- 2016** **Università di Cantabria, ES** – Corso in “Introduction to Sustainable Construction” – 20-ore ETCS.
- 2016** **Università Politecnica di Cartagena, ES** – Corso in “Estadística descriptiva” – 16-ore ETCS.
- 2016** **Università di Murcia, ES** – Corso in “La ciudad como lugar de intervención desde la experiencia artística” – 12-ore ETCS.
- 2016** **Università di Murcia, ES** – Corso in “Preparación de la certificación PMP (Project Management Professional)” – 18-ore ETCS.
- 2016** **Università Telefonica, ES** – Corso in “Leadership for Change” – 10-ore ETCS.
- 2015** **Università di Salamanca, ES** – Corso in “Teachability and Entrepreneurship Education” – 30-ore ETCS
- 2012** **Università di Leeds, UK** – Corso in “Carbon Capture and Storage (CCS)” – 40-ore ETCS
- 2012** **Mott MacDonald Project Manager (MMPM)** – Corso di project management – 16-ore ETCS
- 2010** **CEng MCIBSE, UK** – Abilitazione professionale britannica per titolo di “Senior Professional Chartered Engineer, CEng”; membro del Chartered Institution of Building Services (CIBSE).
- 2008** **BRE-BREEAM Offices 2006 Assessor, UK**
- 2006** **Abilitazione Professionale, IT** – Inscritto all’Albo dell’Ordine degli Ingegneri di Trapani dal 2006.
- 1999-2005** **Università di Palermo, IT**
MEng(Hons) - Laurea vecchio ordinamento in Ingegneria Meccanica, indirizzo Energia; (110/110 cumlaude).
- 2003-2004** **Università di Oviedo – E.P.S. de Ingeniería de Gijón, ES**
BEng - EU ERASMUS, Laura in Ingegneria Meccanica.
- 1994-1999** **Liceo Scientifico “Giuseppe Ferro”, Alcamo, IT**
Maturità scientifica di scuola media superiore; (votazione: 100/100).

DOCENZE

- Relatore all’European Utility Week 2017, “Challenges in Energy Management for Smart Cities”, Amsterdam, 04 Ottobre 2017
- Chairman per l’evento Sustainable Energy Week 2017, “Genoa’s Energy Vision - Le ultime iniziative del Comune in ambiente urbano”, Genova, 20 Giugno 2017.
- Docenza presso F.IRE S.c.r.l. al corso “Product Manager per l’energia”, Genova, 26 Ottobre 2016.
- Relatore per Genova Smart Week sul tema “Riqualificazione energetica dei centri urbani e delle aree produttive - Esperienze nazionali all’avanguardia”, 23 Maggio 2016.
- Relatore presso la Facoltà di Ingegneria, indirizzo “Termotecnica e Impianti tecnici”, dell’Università degli Studi di Genova sul tema: “Energy Management come orizzonte professionale”, 05 Maggio 2016.
- Relatore al seminario organizzato dalla SSBAP dell’Università degli Studi di Genova sul tema: “L’efficienza energetica nel patrimonio storico: opportunità e limiti”, 21 Aprile 2016.
- Relatore al convegno COOPENERGY “Le nuove politiche energetiche in Liguria”, Genova, 30 Marzo 2016.
- Relatore al “Working group meeting on financing, implementing public lighting upgrades”, organizzato dal Covenant of Mayors Office in collaborazione con l’EIP-SCC Humble Lamppost, Brussels, 14 Ottobre 2015.
- Relatore al Covenant of Mayors Webinar, sul tema “Monitoraggio dei PAES (Piano d’Azione Energia Sostenibile)”, 22 Settembre 2015.

COMPETENZE E CAPACITÀ PERSONALI

Lingue: Inglese (parlato e scritto fluente); Spagnolo (parlato e scritto fluente); Italiano (madre lingua).

Uso ITC: MS Office; AutoCAD; Solid Edge; Bentley Micro Station; Matlab (SimuLink); EES; MathCad; LabView; ThermoFlow; GateCycle; SAP; SBEM; TAS; IES; VisualBasic; TurboPascal.

Interessi: Musica, pianoforte, snowboarding, filosofia, pittura, calcio e viaggiare.

Altro: Patente Automobilistica (B).

RICONOSCIMENTI E PREMI INTERNAZIONALI

2013 *Mott MacDonald Project Manager of the year*
Finalista al concorso come miglior Project Manager dell'anno.

2011 *Mott MacDonald Milne Award*
Finalista premiato per il progetto innovativo dell'anno, "D.i.e.g.o. Tool".

PUBBLICAZIONI

- Calandrino, D. (2017), Article: Smart city for smart People, in *Metering and Smart Energy International magazine, issue 4: 2017*, www.metering.com, Spintelligent (PTY) Ltd, Steenberg, 7947, South Africa;
- Calandrino, D. (2015), Case Study: Smart City and Communication, Genoa Municipality, in Caggiano, V., *Teachability and Entrepreneurship Education*, Autores de Argentina, Buenos Aires: 69-77.

REFERENZE

Ottime referenze disponibili a richiesta. Ulteriori riferimenti progettuali disponibili su [LinkedIn](https://www.linkedin.com).

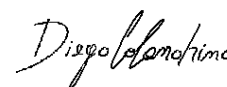
ULTERIORI INFORMAZIONI

- Autorizzo il trattamento dei miei dati personali ai fini della Ricerca e Selezione del Personale in ottemperanza al Decreto Legislativo n° 196/2003" (ex Legge 675/1996 - Privacy);
- Disponibilità a mobilità di lavoro in territorio nazionale ed estero.
- Una lista referenziale di progetti è inclusa di seguito in ALLEGATO1, "WORK EXPERIENCE RECORD"
- Una lista referenziale di Formazione Continua, Convegni e Seminari è inclusa di seguito in ALLEGATO2.

DATA

02/09/2017

FIRMA



ALLEGATO 1 – WORK EXPERIENCE REGORD

Dirigente-Energy Manager – Comune di Genova, Genova, IT

Apr 2015-present

GEN-IUS Project – Investment Programme for Energy Efficiency through ELENA, Genoa, IT

Partners: European Investment Bank (EIB)

2016-present

Approx. €40m investment programme aiming to implement energy-saving and innovation measures on public buildings, public facilities and public lighting on a scale that allows to get interesting economies and a greater efficiency.

Public-Private Partnership (PPP) framework for a CHP Scheme at the Via Garibaldi Council's Estate, Genoa, IT

Partners: Confidential

2015-present

Council's Energy Manager leading the PPP framework implementation and proposal selection review within the tendering process on a €2m project financing relating to a District Heating driven by a CHP unit supplying five historical buildings owned by the City Council, including its headquarter, a UNESCO's heritage.

Public-Private Partnership (PPP) framework for a CHP Scheme at the Piazza De Ferrari, Genoa, IT

Partners: Confidential

2015- present

Council's Energy Manager leading the PPP framework implementation and proposal selection review within the tendering process on approx. €2m project financing relating to a District Heating driven by a CHP unit supplying the main Authorities' Building at *Piazza De Ferrari*, including the city's Opera House, *Teatro Carlo Felice*.

Public-Private Partnership (PPP) framework for the public street lighting upgrade to LED, Genoa, IT

Partners: Confidential

2015-present

Council's Energy Manager leading the PPP framework implementation and proposal selection review within the tendering process on approx. €25m project financing relating to the upgrading to LED of the city's public street lighting.

Senior Project Manager – Mott MacDonald, Brighton, UK

Nov 2011-Mar 2015

Pre-financial close Lenders' Due Diligence for a 18.6MWe wood wastes fired CHP plant, Birmingham, UK

Client: Confidential, major UK syndicate of banks (Lenders)

2014

Project manager leading the lenders' technical advisory (LTA) on an £80m project finance transaction relating to a gasification plant eligible for a 1,8 ROCs/MWh accreditation as an advanced conversion technology (ACT).

Speyside 15MWe wood chip fired CHP Plant, Technical Review, Scotland, UK

Client: UK infrastructure (central government)

2014

As part of the team providing review of the financial model, fuel supply agreements and project schedule for the LTA on a £74m biomass power station reaching financial close with £48m being financed by the UK government. Investor John Laing and the Green Investment Bank are to invest the remaining £26m.

Electricity Generation Benchmarking Study, ZA

Client: Confidential, major sugar factory company

2014

Provided independent benchmark CAPEX, OPEX and Fuel Costs for a variety of fossil fuel and renewable technologies that can be compared to costs already obtained for a captive CHP plant fuelled by bagasse.

ERANET - Eolico Offshore, UK

Client: Department of Energy and Climate Change (DECC)

2014

Provided programme management support for the preparation of a successful proposal to the Horizon 2020 European funding programme, co-funded by ERANET, to secure funding for research projects in the UK.

Technical Specification for Herten Waste-to-Energy Facility, DE

Client: Lockheed Martin

2013

Process engineer (based in the Altrincham office) providing specification of certain equipment associated with a 5MWe gasification plant in Germany. The facility is based on Concord Blue's reformer technology.

Acquisition Due Diligence for a Portfolio of Biomass Power Plants, IT

Client: Confidential, major pulp industry company

2013

Project manager on a €250m acquisition transaction for a portfolio of three biomass fired power plants located in various north and south regions of Italy. Scope included review of the plant design, historic technical and environmental performance, flexibility to handle alternative fuels and inputs in the financial model.

Advance Bio Asia Co., Lampung 9.9MW Biomass Power Plant, TH

Client: Export-Import Bank of Thailand (EXIM Thailand)

2013

Project manager providing LTA role. Based in the Bangkok office working alongside Thai colleagues. Attended meetings with the lenders and reference plant visits in the northern region of Lampung, including sawmill sites.

Snetterton Biomass Power Plant, Norfolk, UK

Client: Icen Energy

2013

Providing technical support and commentary on the adequacy of the site for receiving wood in log form and chipping on site, if 80% wood firing were used as opposed to straw.

Technical Due Diligence of 299MW Dedicated Biomass Power Plant, Teesside, UK

Client: Korea Ratings on behalf of major Korean utility company

2013

Project manager and lead consultant (nominated as Mott MacDonald Project Manager of the year), responsible for the technical and environmental review on behalf of Korean investors considering to invest in the development of a £750m wood fired power plant in the UK. Scope included site visit, technical review of the FEED study, environmental and permits review, and technical inputs to the financial model.

CCS Commercialisation Programme, UK

Client: Department of Energy and Climate Change (DECC)

2012

Technical advisory on the programme and procurement design stage. Provided technical evaluation and assessment of project applications on several CCS R&D proposals.

LTA for Winsko Biomass Project, PL

Client: European Bank for Reconstruction and Development (EBRD), BRE Bank S.A. and other banks

2012

Deputy project manager assisting lenders in undertaking an independent due diligence review, assessing progress during the construction and commissioning period and monitoring operations after commercial operation date.

Incinerators' Boiler Performance Study, US

Client: Wheelabrator Technologies Inc.

2012

Provided assessment of the limitations and impact on boiler performance and operation when co-combusting municipal wastewater bio-solids with refuse derived fuel (RDF) and municipal solid waste (MSW) in two of client's facilities in Portsmouth and Westchester respectively. Developed predictive boiler performance analyses based on heat and mass balance calculations evaluated on as-received and dried bio-solids basis.

Energia Rinnovabile - Studio di pre-fattibilità, UK

Cliente: Scottish Water (SW)

2012

Provided analysis of levelised cost of electricity to identify preferred renewable technologies for development as part of SW's core activities, including an indication of the likely scale and phasing over a 25-year period.

Gas Flaring Reduction Project per World Bank, GA

Cliente: Governo di Gabon

2012

Identified options to enable the Government of Gabon to combine renewable energy sources with the gas utilisation project and propose viable hybrid solutions that can be supported by the World Bank.

Impianti di Cogenerazione e biomassa di Valoriza - Due Diligence di Acquisizione, ES

Cliente: NeoElectra

2012

Providing technical review of the assets, high-level review of the energy (heat & power) sales, gas fuel and biomass supplies and O&M agreement from a technical point of view, and review of the operating assumptions used in the financial model.

Enerstar Villena CSP Plant – Lender's Technical Consultant, ES

Client: The Bank of Tokyo-Mitsubishi UFJ (BTMU)

2012

Deputy project manager responsible for the technical and environmental review of a 50MWe concentrated solar power project (CSP) divided into two phases (lender's key findings report and pre-first drawdown report).

Masterplanning Engineer – Mott MacDonald, London, UK

2010-2011

Aquifer Thermal Energy System (ATES) at GSK House

Client: GlaxoSmithKline Unlimited (GSK)

2011

Project manager delivering the feasibility study for the implementation of an ATES in the iconic headquarter of the well-known GSK. Provided model for ground hydrological assessment, building load analysis, heating/cooling ground potential and economic analysis for the retrofit installation of a new ATES system within the existing building services.

C121 Fisher Street ground source heat pump (GSHP)

Client: Crossrail

2011

Project manager liaising with Crossrail on the feasibility and concept design of ground connection for GSHP system at the proposed over station development (OSD).

T3 Incheon Airport Sustainability Strategy, South Korea

Client: Grisham

2011

Committed by the well-known architecture firm, Grisham, I was responsible for providing advice on the passive and active energy supply design for the proposed 30,000-passenger terminal within an international bid. We were third, followed by colossus as LG and Samsung.

C138 Liverpool Street Geothermal (Crossrail)

Client: Crossrail

2010

Project manager responsible for the design of ground connection for GSHP system at Liverpool Street station. Provided model for ground connection simulation, hydraulic design and produced drawings for the geothermal applications of two OSD, Moorgate Shaft and Blomfield Box.

Carbon Pilot Tool – Created an in-house developed carbon and energy-modelling tool that allows for pre-design evaluation of the carbon impact of new buildings.

D.I.E.G.O. Tool (awarded with the Milne Award) – Created an in-house developed energy modelling tool that allows potential low-zero carbon solutions to be assessed against broad brush sets of assumptions so that informed decisions can be taken even at very early stages of optioneering. The toolkit is widely used across Mott MacDonald in most of the commissioned energy strategy assessments for masterplanning.

Energy Technology Specialist – Fulcrum Mott MacDonald, London, UK

2007-2010

1851 Commission ATES/CHP Research Project

Client: South Kensington Gore's Estate

2009

Project manager providing feasibility study for the Low Carbon Master Plan of the 1851 Commission Estate in South Kensington, London. The study focused on the potential for a combined ATES and CHP system to be used as part of a heat and cool sharing network between the prestigious estates of NHM, IC, RAH, SCM V&A, including assessment of practical delivery of the system and phasing costs.

King's Dock Biomass Power Station – Provided tech. support for the air quality assessment of a 50MWe biomass power station. The study focused on the emissions abatement strategy for a supplementary operational phase.

Algae Feasibility Study – Provided feasibility study on the use of a 100 tonnes per day dry-biomass algae process plant integrated into a 50MWe biomass fired power station at Coedbach. The study was divided into three phases: initial process feasibility, understanding possible technological limits and economic appraisal.

Felnex Trading Estate, Hackbridge – Energy strategy consultant for a 750 new-dwelling urban regeneration project to provide a new high-density district centre in Hackbridge. Developed the low-carbon energy strategy based around a community energy system to tie in with future council plans for a borough-wide heat network.

Waterbeach – Provided energy strategy to support the development of a new town located 6km north of the urban edge of Cambridge that embodies the principles of the UK government's EcoTowns Agenda.

Tornagrain – Provided sustainability and engineering advice for a new town located mid-way between Inverness and Nairn. Plans were for up to 5000 homes to be built over 50–55 years combined with commercial, industrial and community services. Strategies included low carbon energy supply through community energy networks on a biomass fired combined cooling heat and power (CCHP) community system.

Swindon Waste to Energy ESCo Support – Provided energy options assessment and viability study in support of the Joint Municipal Waste Management Strategy (Wiltshire and Swindon), including technology screening of identified case studies to enable the council to decide whether or not to pursue with the proposed ESCo project.

Biomass Process Engineer – Moncada Energy Group, Agrigento, IT

2006-2007

10MWe Biomass Power Plant, Fauma, Italy – Responsible for the design and procurement of the generation plant based on three biomass-fired boilers using horizontal moving grate. Provided optimisation study of the thermal process and assessment of the fuel supply chain from local catchment of agro residues. Also responsible for supervising the assembly and erection activities of the steam turbine components and auxiliaries.

10MWe Biofuel Power Plant, ASI 59(AG), Italy – Provided process and mechanical design, drawings and thermodynamic simulation of a plant consisting of twenty reciprocating engines, 450kWe each, including heat recovery at the exhaust to run a bottom-cycle 1MWe steam turbine. Responsible for supervising the retrofit of the 1MWe turbine under procurement. Also provided design ad specification for the filter of the vegetable oil (palm oil) feeding system.

Geothermal Power Plant, Pantelleria, Italy – Provided feasibility study on the application of an ORC based plant for power generation from low-temperature geothermal resources. Evaluate the energy yield of natural resource for an estimated capacity of 2.5MWe. Also, provided concept design and coordination of 3D-CAD drawings for initial FEED study.

ALLEGATO 2 – PARTECIPAZIONE A CONVEGNI, SEMINARI E FORMAZIONE CONTINUA

- “PON Governance e Capacità Istituzionale e PON Città Metropolitane”; Milano 19 Gennaio 2017.
- “Roadmap verso lo sviluppo e l’implementazione su scala urbana di soluzioni ad alta efficienza per il teleriscaldamento”- CELSIUS; Genova, 24 Maggio 2016.
- “Study visit: Overview of District Heating and Cooling in Gothenburg, Sweden”; Gothenburg, 24 e 25 Sett 2015.
- “From Plan to Action”, CELSIUS, Eurocities, EIP (ERRIN), EC (tbc); Bruxelles, 16 Settembre 2015.
- “Safe By Design”, Mott MacDonald Learning point, 18-Feb-2015
- “Sustainability Concept Sheet: Carbon Dioxide Sensors”, Mott MacDonald Learning point,15-Jan-2015
- “Sustainability Concept Sheet: CEEQUAL”, Mott MacDonald Learning point, 15-Jan-2015
- “Introduction to Information Management ”, Mott MacDonald Learning point,12-Jan-2015
- “Circles of Protection”, Mott MacDonald Learning point, 12-Jan-2015
- “The Cost of Accidents”, Mott MacDonald Learning point,12-Jan-2015
- “Introduction to PiMS Livelink”, Mott MacDonald Learning point, 09-Oct-2014
- “Introduction to Financial Management of Projects”, Mott MacDonald Learning point, 04-Jun-2014
- “Why PMs and PDs need to better understand the Role of PECs”, Mott MacDonald Learning point,16-Apr-2014
- “An introduction to combined cycle plants”, Mott MacDonald Learning point, 02-Apr-2014
- “Introduction to Levelised Cost of Electricity Calculations”, Mott MacDonald Learning point,19-Feb-2014
- “Microsoft Lync Follow-Up”, Mott MacDonald Learning point,15-Jan-2014
- “Microsoft Lync All Staff Programme”, Mott MacDonald Learning point, 03-Jan-2014
- “Asbestos Awareness”, Mott MacDonald Learning point, 20-Dec-2013
- “IMS Overview ”, Mott MacDonald Learning point, 20-Dec-2013
- “Project Control.. Let's Talk..”, Mott MacDonald Learning point, 20-Dec-2013
- “What's Lync?”, Mott MacDonald Learning point, 20-Dec-2013
- “Getting Started with Microsoft Lync”, Mott MacDonald Learning point, 20-Dec-2013
- “Site Safety Awareness”, Mott MacDonald Learning point, 11-Dec-2013
- “Remote Working using Microsoft Direct Access and Microsoft Lync 2010”, Mott MacDonald Learning point, 28-Mar-2013
- “Organic Rankine Cycle Technology”, Mott MacDonald Learning point, 18-Mar-2013
- “Building sustainable customer relationships”, Mott MacDonald Learning point, 30-Jan-2013
- “Do we really need Professional Excellence?”, Mott MacDonald Learning point, 16-Jan-2013
- “Project Control.. Let's Talk.. (PRE-COURSE QUESTIONS)”, Mott MacDonald Learning point, 01-Dec-2012
- “Presentation for Thermal Team -Leroux & Lotz”, Mott MacDonald Learning point, 20-Nov-2012
- “European Bionergy Exhibition & Conference (EBEC) 2012”, Nextgen, Energy Institute, 11-Oct-2012
- “Business Ethics: Getting It Right -Policy Compliance”, Mott MacDonald Learning point, 01-Oct-2012
- “Travel Security”, Mott MacDonald Learning point, 01-Oct-2012
- “Ground Source Heat Pumps”, CIBSE, ENER-G, 29-May-2012
- “Maintenance Reserve Account”, Mott MacDonald Learning point, 25-Apr-2012
- “Lunchtime Seminar IMS Anti-“Bribery, Mott MacDonald Learning point, 15-Mar-2012.
- “Diversity at Work”, Mott MacDonald Learning point, 31-Oct-2011
- “Solar Thermal Technology”, Mott MacDonald Learning point, 05-Oct-2011.

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- “CDM Duties of a Designer Regs 2007 (UK)”, Mott MacDonald Learning point, 14-Oct-2011.
 - “Solar Thermal Technology and its applications”, Kingspan Solar, 11-Oct-2011
 - “PiMS Livelink Explorer and MSOffice Essentials”, Mott MacDonald Learning point, 06-Jun-2011.
 - “Sustainability”, Mott MacDonald Learning point, 06-Jun-2011.
 - “Passport for Project Director”, Mott MacDonald Learning point, 06-Jun- 2011.
 - “Health and Safety Risk Assessment Training”, Mott MacDonald Learning point, 06-Jun-2011.
 - “Absorption Chiller and CHP”, Carrier, 17-Nov-2010
 - “Integrated Management System – IMS”, Mott MacDonald Learning point, 02-Nov-2010.
 - “5 Steps to Low Carbon Lighting”, WhiteCroft Lighting, 01-Sep-2010
 - “VRV: Total Heat Recovery”, Daikin, 14-Jul-2010
 - “Business Ethics: Getting It Right”, Mott MacDonald Learning point, 20-May-2010.
 - “Gas Driven VRF”, SANYO, 15-May-2010
 - “Energy Efficient Ventilation and Future of Ventilation Systems”, Itho Ventilation Limited, 13-Apr-2010
 - “Secure Power Systems”, UPSPOWER, 05-Feb-2010
 - “Saving Energy and Water through Effective Electronic Water Conditioning”, Environmental Treatment Concepts Ltd, 29-Jul-2009
 - “High Efficiency Heat Recovery”, Ned Air UK Ltd, 08-Jan-2009
 - “Renewable Energy Technology”, RES, 06-Nov-2008
 - “Managing Health and Safety in Construction”, PFB Construction Management Services Ltd, 22-Sep-2008
 - “Visit to a Combined heat & power (CHO) installation site”, CIBSE, 08-Apr-2008
 - “Swimming Pool Hall Dehumidification and Heat Recovery”, Menerga Ltd, 09-Jan-2008
 - “Light on the Subject”, WE-EF Lighting Ltd, 05-Sep-2007
 - “Course of General English Language” (42 hours) at the Eckersley School of English, Oxford, UK, 2006
 - “Curso en lengua española para extranjeros, nivel avanzado (10 horas lectivas), Oviedo, Spagna, 2004
 - “Apprendizaje de lenguas en tandem”, (25 horas) Oviedo, Spagna, 2004