



Company Ashact Consulting Ltd
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Current Position Director
Nationality British
Languages English mother tongue, Italian

Education and professional qualifications

BSc	Chemistry, Westfield College, University of London	1974
MSc	Environmental Pollution Control, University of Leeds	1975
CChem	Chartered Chemist	
MRSC	Member Royal Society of Chemistry	
MIWEM	Member Chartered Institution of Water Environmental Management	
MIWM	Member Chartered Institution of Wastes Management	

Profile

A highly motivated individual with a strong business-orientated background developed from managing and growing Ashact, an environmental consultancy, which has focussed on serving industry and commerce over twenty-three years.

Experience

- Managing small, large scale and complex projects that have a direct impact on company and client organisation's operation and effectiveness. Particularly in:
- Waste minimisation/resource efficiency and process optimisation/engineering
- Industrial and commercial waste/water use, management optimisation and best practice
- Municipal and industrial water and waste treatment

Skills

- Environmental improvement and problem-solving for commerce and industry, across many sectors with high level expertise in process optimisation and resource efficiency
- Strong strategic and lateral thinking skills to identify solutions (including engineering and regulatory implications)
- Excellent communication/influencing and negotiation skills, including client care
- Ability to lead and drive delivery of inter-related initiatives and change within an organisation

Career summary – current position

2009 – date **Director/Principal Consultant**
Ashact Consulting Ltd

Responsibilities:

As Director responsible for the company's business, the technical quality of projects and client relationships. Areas of technical responsibility include:

- Water and wastewater management (including water use/optimisation)
- Resource efficiency
- PPC permitting and other regulatory issues/due diligence auditing

Technical Experience:

- Principal Consultant for preparation of a COMAH environmental assessment statement for a major UK munitions site.
- As part of Environmental Permitting (PPC) requirements completed a review of effluent treatment options, product loss and potential product recovery for a major dairy and dairy products manufacturer.
- Provided specialist advice to an agrochemicals company on variation of their PPC Permit and resource efficiency/waste minimisation associated with the new development to satisfy Best Available Technique (BAT) and Environment Agency requirements.
- As advisor to Envirowise scripted and produced/delivered three resource efficiency videos (hotel, textile dyeing and distribution centre), several webinars and webcasts successfully engaging businesses to implement resource recovery and production efficiency improvements.
- Currently preparing a software-based resource efficiency training package (with voice-overs) targeted to manufacturing industry (Rethink waste) for the Envirowise programme in conjunction with the manufacturers' organisation - EEF.
- Completed waste reviews to identify resource efficiency opportunities at two major vegetable processing sites (potatoes and onions, lettuce and green leaf).

Career summary – previous positions

2004 – 2009 **Technical Director/Group Manager**
Ashact, a Division of Hyder Consulting (UK) Ltd

Responsibilities:

As Ashact group manager, responsible for the group's business – from marketing, sales, client development through to project delivery and performance.

Technical Experience:

Project Director for managing and technically leading many projects covering issues such as water and waste minimisation studies, environmental and due diligence audits (including regulatory compliance – particularly PPC), resource efficiency/sustainability assessments for industry and commerce. Selected projects include:

- Consultant for major computer-based studies into hazardous waste quantities arising on the islands of Malta and Gozo utilising an Ashact developed computer program (INVENT), and subsequent outline design of a hazardous waste transfer and pretreatment centre.
- Engaged as leader of specialist team on Environment Agency SUPRA Water Use project. Water audits undertaken on selected businesses to assess total water use and to identify scope for water efficiency measures. Covered a wide range of industries and commercial sites including paper mills, food factories, hospitals, steel producers and laundries.
- Retained as external corporate environmental advisor to a major UK food group. This included undertaking/project managing the waste and water efficiency reviews at four of their sites for PPC reporting purposes.
- Completed waste minimisation reviews on a number of retail shopping malls for a major UK retail landlord. This included waste surveys and analysis and formulating recommendations how resource efficiency could be improved.
- Project Director for the preparation of an IPPC Application for a major UK site of an international speciality chemicals company. This included waste reviews and assessment of BAT.
- Re-appointed specialist consultant to the Envirowise Programme for 2005/7 and 2007/9. Undertaken 100+ site visits to advise on resource efficiency across a wide range of industrial and commercial activities (including furniture manufacture, glass processing, orthodontic braces, bakeries, electronics, pharmaceuticals, food and drink, packaging and printers). Also completed 20+ 'Big Splash' water reviews at various companies throughout south-east England.
- Developed and undertook resource efficiency training workshops for several major food groups (abattoir, meat processing, dairy) in the UK.
- Provided specialist advice to London Luton Airport on waste and waste minimisation from airport activities. This covered landside and airside operations across all aircraft maintenance, retail, servicing and support activities. Also involved training client personnel.
- Developed a site review protocol for a global veterinary pharmaceutical company to assess environmental performance/resource efficiency opportunities at 4 global sites.
- Prepared approach to water use, minimisation and treatment for IPPC Application for a group of surface treatment firms. This included assessment of BAT for water use.
- Presented papers on waste minimisation to trade associations (e.g. Brewers Guild, Brewery Engineers Club, Campden and Chorleywood Food Research Association).

2000 Director and Company Secretary
Ashact Ltd, Process Design and Environmental Management Consultants,
UK

Responsibilities:

Marketing and business development. Company strategy and planning.

Technical Experience:

Responsible for managing and completing many waste management reviews, waste minimisation projects and acting as Project Director on others. Selected projects include:

- Undertook an evaluation of technologies and techniques for a major green-field dairy development in south-west England and subsequent completion of the IPPC Application. Waste minimisation activities, water re-use and benchmarking had to be developed and demonstrated in the Application to meet the Environment Agency's requirements.
- Developed an environmental auditing protocol and completed six pilot training audits for a major European food production and distribution group. Focus was on legal compliance and waste minimisation.
- Undertook an IPPC Application and process review for a small family-run chemical company producing specialised dyestuffs.
- Completed 20+ water management audits for a major UK Water Company on both their own sites and those of key account customers. The aim was to provide training to the company's own staff and to reduce water consumption and hence preserve the company's water resources. Industry included: metal finishing, aerospace component manufacture, hospitals, electronics manufacture (PCBs), food and drink and leisure.
- Project Director for the preparation of four IPPC Applications for four UK sites of a major multi-national speciality chemicals company.
- Responsible for managing and completing several waste management reviews, waste minimisation projects and acting as Project Director on others. Key player in the ETBP/Envirowise programme both on Helpline and also Contractor Panel. Completed over 100 counselling visits, over 120 FastTrack visits advising on environmental issues (predominantly waste minimisation/best practice/water use related) and over 40 'Big Splash' water reviews across a wide range of industry and commerce.
- Appointed specialist consultant to undertake a due diligence audit of the principal UK site of a major multi-national car component manufacturer.
- Specialist Consultant on a project to review and comment on process losses, wastewater production and effluent treatment on a major confectionery industry site.
- Re-appointed as Consultant on the Defra/DTI Envirowise Programme 2001/3 and 2003/5. Completed over 50 environmental audits of small to medium sized enterprises (SMEs) in UK and provided Helpline advice on environmental issues to numerous other companies.

1998 Managing Principal Dames & Moore, Environmental Management Consultants, UK

Responsibilities:

Key tasks were marketing and business development, client care and client development, new business initiatives. Reported direct to the UK Manager.

Technical Experience:

Lead consultant for key projects including:

- Process evaluation and the optimisation of waste water treatment at a major MoD dockyard operation.
- Appointed as specialist consultant for the environmental compliance and liability audit of two major papermills in UK for an international group.
- Project Director for a feasibility study investigating options for metal surface treatment process improvements and effluent treatment at a large aerospace manufacturing site.
- Project manager for the investigation and measurement of VOC emissions from a major coated photographic paper production facility in the UK.
- Specialist consultant for a due diligence assessment of metal engineering plants in the UK and Italy.
- Co-authored a Management Guide and a Technical Guide for Papermills on 'Increasing Profit Through Improved Material Additions' for the Environmental Technology Best Practice Programme.
- Consultant on a due diligence appraisal of three major fire extinguisher manufacturing plants in Scandinavia.
- Developed several 'best practice' guides for the Environmental Technology Best Practice Programme covering the paper, leather, food and drink sectors.

**1995 Director and Company Secretary
Ashact Dames & Moore Ltd, Process Design and Environmental
Management Consultants, UK**

Responsibilities:

Responsible for operations and performance of the group within the Dames & Moore organisation and the performance of 20 staff.

Technical Experience:

Technical responsibilities include process design work for waste and wastewater schemes, due-diligence auditing, environmental regulatory and waste minimisation activities.

Typically involved on projects at Project Director level supervising projects, providing key technical input and mentoring juniors. Projects included:

- Specialist consultant on the EBRD team to audit a major pulp, papermill and chemical production facility in Bratsk, Russia. The plant comprised two large pulp mills (capacity 800,000 t/y) using the kraft process both equipped with black liquor and lime recovery a kraft liner papermaking facility, a hardboard production plant, a plywood production plant and ancillary activities. Chlorine based chemicals, including chlorine, chlorine dioxide, hydrochloric acid and sodium chlorate are produced on the site from the electrolysis of brine for both on-site use and sale. Key environmental issues, including best practice aspects, were identified from both an environmental and process audit.
- Appointed as specialist consultant for an audit of a large refinery in Southern Italy for a major oil company. Audit included a review of process water, scope for reductions in water use/effluent generation, effluent treatment facilities and treated effluent polishing and recycle.

1985 **Director**
Ashact Ltd, Process Design and Environmental Management
Consultants, UK (*a wholly-owned subsidiary of Dames & Moore from May*
1995)

Responsibilities:

Marketing and business development, maintaining liaison with Italian firms and managing the firm's computing facilities.

Technical Experience:

Involved at Project Director level supervising projects, providing key technical input and mentoring juniors. Selected projects included:

- Responsible for the application of the computerised industrial waste prediction model 'INVENT' to estimate industrial waste production by area in the Mediterranean countries of Algeria, Egypt, France, Greece, Italy, Spain, Turkey and Yugoslavia. This work was part of the World Bank Environmental Programme for the Mediterranean project.
- Responsible for the second phase of IBRD/World Bank-funded global Integrated Resource Recovery Project to examine and promote the recycling of wastes and the recovery of resources in Mexico City. Particular responsibility for the development and testing of survey and inventory methodologies for classifying, quantifying and characterising industrial wastes.

1985 **Waste Management and Process Consultant, Watson Hawksley,**
Consulting Engineers, UK

Returned to UK Head Office in above role whilst still retaining responsibility for maintaining UK - Italian relationship.

- Responsible for organising and undertaking a study of industrial waste production in Campania, Italy. Total population 4M and circa 4,000 industrial premises with >10 employees. This study represents one of the largest, if not the largest, single study on industrial waste production undertaken in Europe. Using a team of up to 20 staff it included 200 factory visits, creation of a computer-based data-handling system, development of a computerised waste-classification system and preparing a detailed proposal for the development of industrial solid waste treatment and disposal facilities.

1981 **Resident UK Representative, Dagh Watson SpA, Milan, Italy**

Appointed as resident UK representative in Italian sister firm Dagh Watson SpA. Responsible for maintaining UK-Italian liaison, jointly responsible for overseas promotion and offer preparation.

- Project Manager for UNDP Waste Management Study in Khartoum, Sudan. Funding by Government of Italy and executing agency the World Bank. Project covered all aspects of waste production, collection, disposal and resource recovery. Objectives were to analyse present waste management and resource recovery practices and to identify potential areas where waste management could be improved or resource recovery implemented. Task accomplished as planned with a team of five staff.

- 1981** **Chemist, Watson Hawksley, Consulting Engineers, UK**
- 1978** **Chemist, JD & DM Watson, Consulting Engineers, UK**
- 1975** **Assistant Pollution Inspector, Southern Water Authority, UK**

Professional and personal responsibilities

Year

- 2004 – date Active Member, Water Pollution Control Sector Working Group,
Environmental Industries Commission
- 1997 – 2000 Chairman, Water Pollution Control Sector Working Group, Environmental
Industries Commission
- 1988 - 1989 Secretary, UK Panel on Environmental Biotechnology (Society of Chemical
Industry)
- 1996 – 2000 Governor, St Johns C E Combined School, Lacey Green

Papers, presentations and publications

Published over 15 papers, given over 60 seminars/workshops and contributed to many publications.