

# Annette Barbara Cutler

BSc Hons. C Geol. FGS.

*With over 38 years' extensive experience in the petroleum industry including 16 years in the environment sector, Annette Cutler used her geological qualifications as a baseline from which she has developed a broad technical knowledge with sound commercial expertise.*

*A self starter, Annette uses her innovative capabilities and lateral thinking to great effect in achieving value adding results and thrives on new challenges, quickly adapting to any situation. Her project co-ordination, project monitoring, impact assessment, networking, mentoring and communication skills are highly developed.*

*Annette has a sound reputation for getting things done and getting results.*

*In 1993, she started and still heads a small independent consultancy, managing technology innovation in Traditional, Low Carbon and Emerging Energies bringing mainstream energy industry experience to monitoring and managing research in new technology programmes and evaluating emerging and new technology, including state-of-the-art reviews and gap analyses, to protect corporate investments and produce positive results and recommendations. With emphasis on providing high level, quality service with attention to detail to meet the needs of all the company's clients, large or small, the company has developed a diverse and wide client base with much repeat business with word of mouth recommendations to potential new clients, enjoying a solid reputation for being skilled in ensuring that a project achieves its objectives within time and budget constraints*

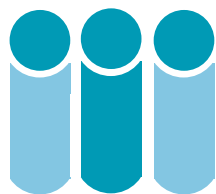
*Realising that technology development to implementation and commercialisation would be much quicker with co-operation across the whole supply chain, under Annette's leadership, the company launched, developed and facilitates knowledge sharing networks in UK, Europe and internationally. Following European Commission grant awards, its major knowledge sharing network project on carbon capture and storage (CCS), CO<sub>2</sub>NET<sup>®1</sup>, is active in Community Capacity Building across the whole CCS supply chain, remains at the forefront of the developing CCS technologies and is now in its 12th year.*

*Previously project manager of numerous successful joint industry and EU funded Framework projects, Annette now concentrates on applying and passing on her project management skills in mentoring to guide and assist others in successful execution and completion of projects. She is proud of the project successes achieved and the resulting career success of people with whom she has worked.*

*The company provided the technology knowledge support function on carbon abatement, renewables and other emerging energy technologies to UK Health and Safety Executive in development of its Emerging Energy Technology programme*

## **Annette Cutler Managing Director and Senior Consultant Technology Initiatives Ltd.**

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<sup>1</sup>CO<sub>2</sub>NET<sup>®</sup> is a registered European Trademark

## **KEY AREAS OF EXPERIENCE:**

- Project Co-ordination
- Project Evaluation / Monitoring for Sponsors
- Impact Assessment of New Technology
- Networking and Effective Communication
- Team Leadership, Staff Management/Motivation
- Project Portfolio Management
- Budget Management and Cost Control
- Contract Negotiation
- Technology Transfer and Innovation
- Intellectual Property Rights (UK expert)
- Information Management
- Geological Research and Interpretation
- Board Level Presentations including Media
- Public Speaking
- Technical Event Organisation
- Gender and Research/Women and Science
- Adult Education and Training
- Extensive computer skills

## **CAREER HISTORY - Selected Achievements:**

***Technology Initiatives Ltd., Folkestone: Managing Director and Senior Consultant 1994 - present***

### **As Network and Communication Facilitator to promote Technology Implementation and Commercialisation**

**CO<sub>2</sub>NET<sup>®</sup> - European Carbon Dioxide Network now "Carbon Capture and Storage Knowledge Sharing Network"**

- Co-ordinated Europe's development of and manages "CO<sub>2</sub>NET" network, encompassing the EC funded CO<sub>2</sub> capture and geological storage R&D projects including zero emission technology. Development of CO<sub>2</sub>NET<sup>®</sup> network awarded EC funding managed 1999 - 2002. Network programme with €3MM EC / industry funding for 29 partners managed 2002-2005.. Proposal for further work agreed and 100% industry funded 2005–2008 and 2008-2011. **In its 12th year, the Network is now focussed on Community Capacity Building for Carbon Capture and Storage (CCS).** Current membership – 50 organisations, 23 countries. Introduced carbon dioxide storage to UK power sector and represented CO<sub>2</sub>NET<sup>®</sup> on UK Government's Power Sector Advisory Committee
- Devised, organises and manages European CO<sub>2</sub> Technology Scenarios Convention, CO<sub>2</sub>NET Annual Seminar and other training / "brainstorming" workshops for various clients – universities, industry and DTI.

### **International Gas Hydrates Network**

- Devised, developed, manages the "Hydrate Forum", industry network on gas hydrates – now in its 15<sup>th</sup> year.

### **As Research and Technology Development Mentor particularly to SMEs and "Start-ups"**

- EC-FP5-"PTA", 2002-2005 and 2007-2008, DG Energy & Transport monitoring 16 major demonstration projects including claims authorisation – (€85MM). 13 major commercial successes out of a possible 16.
- DTI-OGID project officer monitoring portfolio of major projects under COGSS programme (£10MM). Designed and managed DTI's "Realising the Future" technology showcase event at "Offshore Europe 2003". Monitored DTI-OSO £5MM portfolio of 33 major Production Engineering projects to completion. **Now monitoring TSB Technology Programme Oil and Gas portfolio of 33 oil and gas projects; £39MM in value, awarded over £15MM in grants.**
- Author of Oil Industry's R&D JIP Management Best Practice Manual. Advised ITF's Subsurface Working Group on proactive project development. Managed "Pathfinder" programme - "blue-sky" oil industry projects (£400K).
- Feasibility studies of several Carbon Capture & Storage business start ups. Active as venture mentor

### **As Energy and Global Environment Technology Expert**

- **UK HSE Technology Knowledge Support on carbon abatement, renewables and other emerging energy technologies in development of HSE's Emerging Energy Technology programme**
- DTI Technology Programme:- Manager Co-ordinator 2005 Energy Offshore Field Trials & Brownfields Development. Expert Technology Assessor 2004, 2005, 2006 & 2007 Collaborative R&D proposals – Oil and Gas, Carbon Abatement, Energy Offshore Field Trials & Brownfields, Sensors, Environmentally Friendly Transport.
- EC Expert Evaluator and Rapporteur FP7 ENERGY 2009 (DGRES & DGTREN), FP5 EESD ENERGIE, Support for Research Infrastructure - Marine, EESD Cluster Panel.
- UK Representative - EC Impact Assessment FP4 Joule III Renewables, Rational Use of Energy and Thermie Oil and Gas Demonstrator Programmes.
- Co-ordinated major multi-contractor/multi-sponsor projects on gas hydrates (resulting in proven savings to industry of £2MM/field/year opex and £30MM capex), enhanced recovery (leading to the BP Decarbonisation Concept) and offshore power supply and storage from renewable energy sources, including wind, wave, tidal, marine currents, geothermal and fuel cells
- EC R&D Strategy report on the current state and the need for further research on CO<sub>2</sub> Capture and Storage, used to structure EU FP6 research calls major contributor and joint editor of the public brochure "A Down-to-Earth Solution to Climate Change" now in 19 languages. Advisory studies for clients on CO<sub>2</sub> sequestration in Europe using Enhanced Coalbed Methane Recovery, Underground Gas Storage in Salt Caverns.
- Managed £2MM per year Joint Industry Project portfolio of 104 RTD projects for a multinational oil company and oversee 2 other major oil industry contracts - strategic planning of research programmes, increased portfolio by creative fund leveraging; developed more proactive approach to portfolio development within client

companies; represented clients on steering committees. Over 450 renewable and non-renewable energy projects managed, monitored and mentored over last 20 years.

- Advised BP International (U.S.) on EC Project Assessment process and drafted EC added value and social objectives, technology prospects and exploitation opportunities for BP's CO<sub>2</sub> capture submission to EC.
- Recognised by NERC as UK authority on Intellectual Property Rights
- Technical advisory committee – CO<sub>2</sub>NET, BHR Multiphase Conferences and SPE Europec.
- UK Government Technology Foresight Panel and Committee member, chaired national and regional workshops for Agriculture, Natural Resources and Environment, Marine and Energy Panels. Devised/chaired national seminars on Drilling & Production Chemicals and Offshore Engineering Foresight.

**Conoco (U.K.) Ltd: Technology Specialist/Research and Technology Development Co-ordinator 1991-1994**

- Co-ordinated £1MM per year portfolio of Reservoir, Exploration, Safety, Environment, Drilling, Production, Materials, Corrosion and Marine Research and Development projects and generated a net present value of £21MM from 48 projects with 32 contractors. Leveraged contract research budget by a factor of 10, through Joint Industry, D.T.I. and E.C. funding. Completed 89% of projects on schedule and 94% on budget. Elected chair of two Joint Industry Project steering committees.
- Developed worldwide communications network to facilitate technology transfer and reduce time to application.
- Lead expansion of Reservoir and Exploration technology development, increasing portfolio by 50% in 2 years.
- Initiated/lead two joint industry, multi-contractor projects to characterise produced water to prevent prescriptive U.K. and E.C. environmental regulations. Lead very successful Joint Industry drill cuttings reinjection project.
- Innovative contract development, negotiation and management and promotion of future technology needs resulted in opinion and advice being sought by contractors and research associated official bodies.

**Conoco (U.K.) Ltd: Information Services, Systems and Centre Co-ordinator 1982-1991 plus Data Protection Co-ordinator 1985-1986**

- Co-ordinated strategic planning, design, development and implementation of Information Services including Records Management systems development; project documentation QA/QC and asset transfer; responses for litigation, subpoenas, tax and insurance claims and BS5750 fuels accreditation. Established and managed Research Support for Exploration, Engineering, commercial functions and projects. An oil industry benchmark.
- Developed systems computerisation and networking for central control of information and documentation.
- Lead UKOOA research team on Piper Alpha Inquiry.
- Co-ordinated Data Protection Act registration and compliance. Registration completed on schedule.

**Continental Oil Company/Conoco Europe Ltd: Geologist - International 1978-82, UK/North Sea 1974-78**

**Shell Mex and B.P. Ltd: Graduate Trainee - Long Term Network Planner 1972-74**

**Open University Tutor, Science Foundation, Earth's Physical Resources, Oceanography 1974-82**

**Open University Consultant and Examiner, Earth's Physical Resources 1977-82**

**EDUCATION AND OTHER PROFESSIONAL INTERESTS:**

- B.Sc. Spec.Hons.Geology - University of Sheffield 1969-72. Chartered Geologist 1990
- 3 GCE 'A' Levels: Pure/Applied Mathematics, Biology, Geography / 9 GCE 'O' Levels - Cleveland Grammar School for Girls, Redcar 1962-69
- Certificate of Teaching in Adult Education - Sutton College of Liberal Arts 1974-75
- Training: Extensive business, technical and management courses including media presentations, Government's Business Enterprise Self Start Scheme (1994/5), DTI and IOD training courses
- Geological Society Council Vice President 1996-99, Geological Society Fellowship/Chartership Validation Committee Chairman 1996-99. Chartered Geologist awarded 1990. Professional Body founder member
- Member - Institute of Directors, R&D Society, Petroleum Exploration Society of Great Britain, Society of Petroleum Engineers, Channel Chamber of Commerce and Industry
- Freeman of the City of London and Liveryman of the Company of Glovers.

**OTHER INFORMATION:**

- Date of birth: 28 March 1951. Age: 59 years. Marital Status: Married (Married name: Annette Wright)
- Current, clean driving licence. RYA ICC Motor Boat Skipper and VHF operator
- First woman to achieve Chartered Geologist. Geological Society Committees - External Relations, Professional Matters, Corporate Sponsorship. Awarded Honorary status of Geological Society Club 2010. Editor of "British Geologist" now "Geoscientist". Researcher/course writer Earth's Physical Resources Open University
- University Vice President of Hall of Residence. School Science Librarian. School Prefect
- 1969 BBC Young Scientist of the Year.