

CHRIS GOOGAN

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PROFILE

A versatile and solution focused Corrosion Specialist with experience in over 40 countries; predominantly in the hydrocarbon production industry, but also includes working in shipping, defense, power generation and water treatment projects. Experienced at making necessary assessments, defining and implementing project strategies, evaluating and delivering against client requirements, and with a deep knowledge of corrosion-related specifications and standards.

SKILLS AND EXPERTISE

- Corrosion engineering
- Materials and materials selection
- Protective coatings
- Specifications and standards
- Strong problem solving ability
- Cathodic protection
- Corrosion inhibition
- Corrosion monitoring
- Effective communicator
- Excellent IT skills

SERVICES

- Project corrosion engineering
- Corrosion risk assessment
- Surveying and failure investigation
- Corrosion training
- Corrosion management planning
- Design and specification
- Expert witness
- Corrosion Training

EXPERIENCE

2001 – Present **Freelance Materials and Corrosion Engineering Specialist**
Anticorrosion Engineering Limited

The following is a selection of **recent** projects completed or on-going. These are representative of the **250+** freelance projects I have carried out for **89** clients since 2001. (A full project list is available on request).

Sample Projects:

- **AIE (UAE):** for multiple clients: corrosion engineering support for onshore and offshore petroleum production projects
- **Atkins:** for Talisman Energy: Review of corrosion implications of shrouded subsea flange (Flyndre/Cawdor pipeline); for Saudi Aramco: corrosion engineering support: Southern Area Sour Gas Compression Project (FEED.)
- **BP:** corrosion advice on hydro-test issues for GES project (Angola); materials & corrosion support for PCC project (Angola) and West Nile Delta Project (Egypt).
- **Cadogans/HKA:** for confidential clients: expert witness support on: corrosion of offshore wind turbine structures; corrosion of submerged hydraulic equipment; corrosion of waste-water treatment tanks; corrosion of roof structures, hydrogen embrittlement of high tensile bolts.
- **CH2M-Hill (UAE):** for multiple clients: corrosion engineering support for onshore petroleum production and petrochemical projects
- **IXBlue** (France): review of corrosion threats to an ROV guidance system.
- **Keir Construction:** Assessment of corrosion under insulation issues in hotel complex.
- **PDO (Oman):** Evaluation of corrosion problems caused by stray current electrolysis.

- **Shell UK:** cathodic protection reviews of onshore and offshore pipelines; design support for impressed current cathodic protection retrofit for offshore gas production complex.
- **Taq Bratani:** Subject Matter Expert for North Sea impressed current CP retrofit project.
- **Teekay Petrojarl:** Investigation of topsides corrosion on an FPSO
- **Wood Group Kenny:** for BP cathodic protection design review for subsea flowline network.

PERSONAL STATEMENT

I see my role as improving clients' profitability through the application of corrosion management expertise. Much of my work involves carrying out a comprehensive assessment to determine the most effective and economic way to address corrosion related issues. Following the assessment, I often continue to work with clients, on an as-needs basis facilitating onward requirements (the full lifecycle of the process) through to signing off completed work. Increasingly, my work is from returning clients (including FTSE 500 companies). I undertake skills related contracts in the UK or abroad.

PRIOR CAREER

Experience Prior to Anticorrosion Engineering Ltd

1984-2000 Global Corrosion Consultants Ltd (Shifnal, UK) - Director

A founding member of an internationally respected corrosion engineering consultancy; contributed to a large proportion of the 750+ projects carried out by the firm during this period. As a director of a subsidiary company, was responsible for numerous projects on the condition assessment and corrosion protection of concrete reinforcement. Former chairman of the UK Corrosion Engineering Association Task Group on Corrosion Monitoring of Concrete Reinforcement (1989-1992).

1979-1984 International Paint plc (Gateshead, UK) - Technology Manager (Corrosion)

Multiple roles, including: corrosion research supporting the development of innovative heavy duty coatings, technical service support in respect of alleged coating failures, and CP issues. Represented Paint Manufacturers Association on BSI committee developing standards for cathodic disbondment testing.

1976-1979 (Post-graduate corrosion studies)

1975-1976 Roan Consolidated Mines (Ndola, Zambia) - Chemist

1973-1975 British Steel Corporation (Chemicals) Ltd. (Sheffield) – Chemist

EDUCATION/TRAINING

Professional accreditations:

- NACE Accredited Corrosion Specialist
- FICorr, MIMMM and MRSC
- Chartered Status: CEng. Eur. Ing, CChem and CSci

Academic qualifications:

- BSc – Chemistry (1973) - University of Nottingham UK
- MSc – Corrosion Science (1977) - UMIST, Manchester UK
- PhD – Cathodic Protection (1979) – UMIST, Manchester UK

ADDITIONAL INFORMATION

Training Services Provided: I have prepared and presented experienced-based training courses by invitation world-wide on various corrosion management topics.

IT Competency: Windows and Mac. MSWord, Outlook, Excel, PowerPoint, corrosion rate modelling, clients' document control systems, etc.

Licence: Full UK driving licence

Nationality: British