



The Augustus Group
Jack Smart – Principal Consultant

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SUMMARY

Mr. Smart is an expert with over 35 years experience as a corrosion engineer, metallurgist and operations engineer with The International Nickel Company, Amoco Corporation and as a corrosion consultant. Extensive practical field experience in all phases of oilfield corrosion control, including refineries and petrochemical plants, gas plants, drilling, oil and gas production, internal and external corrosion of pipelines, intelligent pig interpretation including B31G/RSTREN analysis, cathodic protection, materials selection, offshore platform corrosion design and inspection programs, coatings, chemical treating, and water treating for waterflooding and disposal. Known for practical and cost effective solutions to corrosion problems.

3 years as Research Project Engineer in Refineries and Petrochemical Plants, plus 14 years as Sr Staff Engineer/Engineering Associate, Corrosion, for Amoco International Oil Company, supervising programs in 10 countries involving extensive travel, field work, and training. 3 years as Engineering Supervisor, Amoco Trinidad Oil Company. Since 1991, Dr. Smart has been principle of John Smart Consulting Engineers, specializing in corrosion control in oil and gas production operations, corrosion in offshore operations, pipelines, refining and chemical plant operations, marine transportation, Mitigation of induced AC in pipelines in High Voltage utility corridors, coatings, and water treating for water flooding.

EDUCATION/CERTIFICATIONS

- B.E. Chemical Engineering, Yale University, 1963
- Ph. D. Materials Science, Northwestern University 1968
- University of Chicago Business School evening program, completed course requirements for majors in Accounting, Finance and International Business, did not graduate due to travel requirements for job.
- Continuing Education: Corrosion and Water Treating, Internal Corrosion in Pipelines, Economics for Engineers, Gas Well Operations, Sour Gas Handling, Multi-Phase Flow, Pressure Transient Analysis, Fracture Mechanics, Design Elements of Offshore Structures, Quality Process, Managing Negotiations, Strategic Planning, Microbiology
- Member, NACE (32 yrs), AIChE (15 yrs), SPE (35 yrs)
- Past Chairman, NACE Houston Section, 1989-1990, Program Chairman 1991-1994, 2000-2003
- Active member of NACE Technical Committees in T-1 (Oil and Gas Production), T-3 (Corrosion Science and Technology), T-6 (Coatings), T-7 Cathodic Protection, and T-10 (Underground Corrosion Control)
- Past Chairman: NACE T-10E-4 "Internal Corrosion in Pipelines"
- Past Chairman: NACE T-1-4 committee on "Erosion Corrosion in Oil and Gas Production".

- Past Chairman: T-1C-17 "Predicting Environmental Aggressiveness of Oilfield Systems from System Conditions"
- Member: API RP-14E re-write Committee on "Design and Installation of Surface Production Equipment on Offshore Platforms." 1994-1995
- Board of Directors, The Offshore Technology Conference, 1989-1995 representing AIChE
- Program Committee of Offshore Technology Conference, 12 times symposium chairman.
- Technical Paper Reviewer for SPE, NACE
- Gas Research Institute Microbiological Corrosion Users Group
- Technical Activities Committee Chairman, Pigging Products and Services Association
- Member, Materials Performance Editorial Advisory Board for NACE, 1999-2003
- Materials Performance Editorial Advisory Board
- Pipeline Integrity Management Magazine (UK) Editorial Board

PROFESSIONAL EXPERIENCE

1991 – To Present John Smart Consulting Engineers, **Principal**

- Corrosion consulting to the oil and gas production, pipeline and marine transportation industries

1987 – 1991 Amoco Chemical Co. Welchem Division, Houston, TX

- Manager, International Sales
- Consulting Engineer, Pipelines

1983 – 1987 Amoco Production Company, Houston, TX, **Consulting Engineer**

- Corrosion in Oil and Gas Production and Pipelines, Water Treating for Water Flooding. Directly responsible for all Amoco Production corrosion control programs in Argentina, Trinidad, UK, Norway, Netherlands, Egypt, UAE, including training of nationals.

1980-1982 Amoco Trinidad Oil Company, Galeota Point, Trinidad, West Indies, **Engineering Group Supervisor**

- Production Facilities

1982 – 1983 1 yr. Training Assignment in Petroleum Engineering

1973 – 1980 Amoco International Oil Company, Chicago, Illinois, **Sr. Staff Engineer**

- Responsible for all corrosion controlled operation programs in Argentina, Venezuela, Trinidad, UK, Netherlands, Norway, Egypt, and Iran.

1970 – 1973 Amoco Oil Company, Whiting, Indiana Research Laboratories, **Research Project Engineer**

- Metallurgy and Corrosion

- Refineries and Petrochemical Plants

1968 – 1970 Martin Oil Service, **Assistant to President**

1967 – 1968 The International Nickel Company Research Laboratories, Suffern, NY, **Research Metallurgist**