Name: **JEFF MATNEY jeff@oceanfrontengineering.com (805) 290-5435**

Title: **CEO/Director of Quality Assurance (Orange County, California)**
Web Site: www.oceanfrontengineering.com

Education: AA, 1977, Nuclear Quality Assurance Engineering
Texas State Technical Institute

Special Training:
Nuclear Physics, Destructive & Non-Destructive Testing Techniques
Nuclear Power Plant Equipment Inspection/NDE Analysis
Hard Hat Commercial Diver to 250 foot (Saturation & Mixed Gas)
Forensic & Expert Witness Training

Certifications:

Level II – ASNT-TC-IA	Radiography/Linear ACL Training
Level II – ASNT-TC-IA	Liquid Penetrant
Level II – ASNT-TC-IA	Magnetic Particle
Level II – ASNT-TC-IA	Ultrasonics

Affiliations:
Scuba Schools International
Pile Drivers, Carpenters & Divers Union
Academy of Underwater Scientists
Forensic Consultants Association of California

POWER PLANTS/OIL & GAS: Mr. Matney has twenty eight years of experience in nuclear power plant, refinery, chemical plant and offshore oil platform equipment inspections, quality assurance and engineering. This includes non-destructive testing and diagnostic analysis for rotating, mechanical, structural, and critical power plant equipment. Witnessed testing of large control systems operating GTG-Gas Turbine Generators systems and Steam Turbine Generators up to 470,000 hp. Allen Bradley Programmable Controllers, Gould Modicon panels, Annunciators, Remote IO panels, and instrumentation verification was performed for large pumps, expanders, compressors and research activities associated with this equipment. Witnessed the PMI testing, hydrostatic testing of shell and tube-side, fabrication and welding of TEMA and ASME Section VIII, Div 1 heat exchangers. As a Level II, Radiographer, spot witnessed X-ray work and film interpretation. Materials expertise includes: Tantalum, titanium, zirconium, niobium, hastelloy, super duplex, carpenter 20, nitronix 50, monel and inconel. Verified laboratory testing for tensile, yield, elongation, ROA, macro and micro, finite element analysis, failure analysis studies and research/development of new metallurgical equipment.

COMMERCIAL DIVING: Mr. Matney has nineteen years of experience managing world record, research and development projects involving offshore oil and gas platforms, sub-sea diving operations, refinery and chemical plant expansions. Dive work includes: Bridge expansion, pier construction, deep-sea satellites, marinas, safety assessments, engineering, construction flaw analysis and field services.

EXPERT WITNESS/FORENSIC SCIENCE: Fifteen years of experience in forensic science with respect to safety surveys, sub-sea deployments, cargo ship inspections, equipment failure analysis, accident investigations/reconstruction, environmental impact studies and ultrasonic testing of hulls.

Representative assignments include QA Engineering & Diving Services for the following projects:

- **Worlds Four Largest Offshore Oil & Gas Platforms**-Thunderhorse, Mad Dog, Holstein, Atlantis-BP
- **World Record Deep-Sea Satellite 2,550 feet SW**-Offshore Spain Chevron Overseas Petroleum Co.
- **Multiple Compressor/Turbine Packages** – Mycom Compressors, Ingersoll Rand, EDTI, Solar Turbines-Shell, BP, Phillips with Special Allen Bradley Controller equipment and auxiliary systems.
- **Multiple Pump Projects** – Flowserve, Gould, Ebara, Carter, Nikkiso, Weir and Pacific.
- **Nuclear Power Plant Operations**-San Onofre, Palo Verde, Taiwan Power, Midland, Glen Rose.

Current Employment History: **Oceanfront Engineering Inc.** 1986 - Date

Summary: **President and Director of Quality Assurance** for **Oceanfront Engineering Inc.** to major Owner Operator's, world-wide, Engineering, Oil & Gas, and Manufacturing companies. Providing expertise in the quality surveillance, engineering, inspection, expediting, project management, ship inspections and non-destructive analysis of major equipment for large, construction projects. Modicon and Allen Bradley Controller systems are FAT tested for Gas Turbine Generators from General Electric LM25, and Solar Turbines: Mercury, Taurus, Mars, Saturn and Titan. Special events include Research & Development consultant for Deep Water projects and Oil & Gas firms.

Speciality Meterials: Tantalum, titanium, zirconium, osmium, hastelloys, cavalloy, super duplex, bronze, nickel aluminum bronze, monel and other reactive metals. Surveillance of laboratory testing including: Charpy impact tests, tensile tests, yield tests, ROA, hardness, aging tests, fatigue analysis test, finite element analysis testing, macro/micro, linear accelerator X-Rays.

Well versed in All Codes involving: ASME pressure vessels, TEMA heat exchangers, API cranes, API wellheads, drilling equipment, API high speed pumps for cryogenic service, and diving projects involving offshore platforms, bridges, piers and Navy programs. Also, a specialist in Ship Surveys, subsea inspections and ship structural analysis with high tech equipment. Chief Dive Engineer for pipe lay barge off the coast of Tel Aviv, Israel for a 30 inch diameter, 96 mile long liquefied natural gas line. Involved in several world record projects, utilizing state of the art applications. Skilled in Nuclear, Oil & Gas, Refinery, Offshore Platforms, Navy Piers and Sub-sea operations. Clients include: Shell, Exxon, Chevron, Aramco, CBI, US Navy, BP.

Previous Employment History: **Chevron Oil Company** 1980 – 1986

Summary: **Senior Quality Assurance Engineer:**

Mr. Matney was promoted to head the Houston office in March of 1984. As manager of the Houston, Texas office, provided technical expertise to the Chevron group of companies world-wide for equipment inspection, expediting and testing for the following operations: Refineries, chemical plants, offshore oil and gas platforms, research and development programs, drilling and exploration, and diving technology. He traveled extensively to Europe and the United States for these projects.

Mr. Matney managed all major contracts and personnel for the above operations including budget analysis, payroll and accounting, supervision of over 60 employees and technical consultants, meetings and conferences for multi-billion dollar projects, and of technical training for Chevron employees.

Quality Assurance Engineer:

Four years of experience as the Lead Quality Assurance Engineer for rotating equipment, pressure vessels, structural, Modicon & Allen Bradley Computer Controller for GTG, Turbo-Expanders and Huge Centrifugal Oil Shipping Pumps. Also included were: skid fabricated equipment for refineries, chemical plants, drilling and exploration, and offshore platforms. Non-destructive testing of all major equipment, including casting and forging mills, pumps, turbines, compressors, valves and exotic piping.

Mr. Matney attended management meetings for multi-billion dollar projects for QA expertise and budget preparations. He was active in scheduling and negotiating contracts with technical consultants for large projects, and visited over 500 manufacturing facilities world-wide for as a Shop Surveyor and Technical Specialist for a variety of equipment for the Chevron group of companies.

Lead QA Engineer for all Chevron research and development projects including the World Record, Deep Sea, Satellite project off the cost of Spain, the Tension Leg Platform proto-type project off California and the Offshore Platform projects: Edith, Esther, Hermosa, Hidalgo and Gail. Established the technical procedures, inspection and test plans, review and audit of quality assurance/quality control manuals for Chevron and related manufacturing companies. Dealt with 50 Inspection companies.

Bechtel Power Corporation 1977 TO 1980

Supervisor Supplier Quality Representative:

Quality Assurance Engineer and non-destructive testing specialist for Bechtel's Nuclear Power plants including: San Onofre in San Clemente, CA., Palo Verde Nuclear Generating Station in Phoenix, AR., Susquehanna Nuclear Station in Pennsylvania, Midland Power in Michigan and Taiwan Nuclear Power in Taiwan.. Traveled extensively to Europe and the U.S. to provide inspection and testing for major mechanical and electrical equipment required for Nuclear Power Plants. Lead auditor for nuclear facilities in accordance with 10CFR50 and ANSI N45.2.
Well versed in all Nuclear related Codes and Standards for all major equipment and participated in numerous non-destructive testing events for Generators, Turbines, Pumps, Reactors, Expanders, Compressors, Pressure vessels, heat exchangers and Piping for Nuclear Class I, II and III for several Power plants world-wide. Served as Lead Auditor for major, Bechtel Nuclear Power plant projects including: San Onofre and Palo Verde Generating stations. Reviewed NCR regulatory requirements.

Solar Gas Turbine Compressor Package, Titan 130 rated 19,000 horsepower. Enagas Spain LNG

References:

Jim Ramirez, QA Manager, Astro-Cosmos, CA	Tel: (805) 482 9825
Bob Billings, Engineer Manager, Fluor Corp.	Tel: (949) 349 4152
Tina Benac, QA Engineer, Control Components	Tel: (949) 888 4169
Jim Hassenboehler, Shell Offshore, New Orleans	Tel: (504) 256-4287
Keith Koster, Project Manager, Gould Pump	Tel: (714) 623-4011

Major Projects Involvement:

Bechtel Power Corporation

Project Name	Type Of Facility	Estimated Cost
San Onofre	Nuclear Power Plant Upgrade	400 Million
Palo Verde	Nuclear Power Plant, Arizona	2.2 Billion
Midland Power	Nuclear Power Plant, Michigan	1.4 Billion
Midland Power	Nuclear Power Plant, Michigan	1.4 Billion
Susquehanna	Nuclear Power Plant, Penns.	1.5 Billion
Taiwan Power	Nuclear Power Plant, Taiwan	1.7 Billion

Chevron Oil Company

Project Name	Type Of Facility	Estimated Cost
Platform Edith	Offshore Platform, Calif.	700 Million
Platform Esther	Offshore Platform, Calif.	350 Million
Platform Hermosa	Offshore Platform, Calif.	850 Million
Platform Hidalgo	Offshore Platform, Calif.	900 Million
Platform Gail	Offshore Platform, Calif.	1.2 Billion
Casablanca Plat.	Offshore Platform, Spain	900 Million
Montanazo Sub-Sea	Sub-Sea Satellite, Spain	80 Million
Platform Grace	Retro Fit Platform, Calif.	150 Million
El Segundo	Refinery Upgrade, Calif.	250 Million
Pascagoula Ref.	Refinery Upgrade, Miss.	800 Million

Oceanfront Engineering Inc.

Project Name	Type Of Facility	Estimated Cost
Star Refinery	Tex Refinery, Grass Roots	1.5 Billion
BP Pompano	Offshore Platform & Cathode Anodes	750 Million
Shell Auger	Offshore Platform	1.1 Billion
Conoco Polar Lights	Onshore Refinery, Russia	800 Million
BP Lima Refinery	Chemical Plant In Ohio	400 Million
Lurgi Acetic Acid	Acetic Acid Plant, China	750 Million
Shell Mars/Princess	Offshore Oil Platforms GOM	200 Million
Sonatrach Algeria	Ethylene Plant Algeria	500 Million
Exor 1 And Exor 2	Ethylene Plants In Indonesia	900 Million
Platforms for BP	Thunderhorse, Atlantis, Mad Dog	7 Billion
Ras Laffan Gas	JGC, Liquefied Natural Gas	650 Million
Baytown Refinery	Noram Eng. Refinery Upgrade	200 Million
Barcelona, Huelva	Enagas Liquid Nat Gas Plants, Spain	60 Million
Pier 12	U.S. Navy, Huge Pier, Dive Engineer	120 Million
Sierra Pier	U.S. Navy, Submarine Facility "	110 Million
Pier J-K	U.S. Navy, Air Craft Carrier Pier "	80 Million
Deperming Pier	U.S. Navy, De-Magnetization Pier "	18 Million