



WILLIAM M. BARRY

Senior Subsea Engineering Consultant

Mr. Barry is a Senior Engineering Consultant who works with Upstream Oil & Gas clients supporting Brownfield and Greenfield projects, specializing in subsea umbilical systems. He has over 25 years of engineering experience gained through shipboard engineering in the U.S. Merchant Marine, Shipbuilding of US Naval Submarines and Manufacturing of Oil & Gas equipment. His experience across these marine industries enables a practical approach developing solutions to cost, quality and project delivery. Over the past 12 years Bill has supported over 40 Brownfield and Greenfield projects for Shell, Chevron and BP. Bill is the section lead for API-17G2 Subsea Pumping Systems Advisory Board-Control & Umbilical System. Bill holds a BS in Marine Engineering from Texas A&M University.

Education

Advanced Applied Engineering Mathematics I & II, Rensselaer Polytechnic Institute, 2005

Advanced Excel & MATLAB. Northeastern University, 2000

1989- B.S. Marine Engineering, Texas A&M University, 1989

EXPERIENCE

2007-present, Atlantic Wave, LLC



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- ❖ Bechtel Oil, Gas and Chemical Inc. (Chevron-Tahiti Vertical Expansion, Blind Faith 2) - Providing technical support in the areas of subsea controls and topsides instrumentation system expansion including: Subsea to topside interconnect diagrams, electrical and hydraulic/ chemical distribution diagrams, functional requirements specifications-(MSC, EPU, HPU, SCM), subsea cause and effect diagram, instrument schedules, IO Allocation tables, instrument data sheets and line list, topside process control HPU expansion and sizing study.
- ❖ GATE-Gate Gibson Applied Technologies (Shell -VITO, Appomattox, Stones, Europa, Princess, BC10-III, Perdido III) - Supporting Shell International Exploration & Production Inc. as client representative responsible for engineering thru delivery of FMC Technologies subsea distribution systems. Key focal point, Shell Upstream Americas (SEPCO), for fast response and Subsea Control Modules (SCM) refurbishment projects manufactured at FMC, Oceaneering and Deep Down Inc. Provide support in resolving technical and manufacturing barriers to global and aftermarket developments Brazil, Nigeria and Malaysia.
- ❖ JP Kenny (BP- Pompano, Marlin, King) - Supporting BP Subsea Production and Operations Team, Provide identification, diagnostic and problem resolution of subsea controls systems affecting production on BP assets. Advise and recommend to BP management the optimal repair/upgrade strategies with respect to overall cost and technical feasibility. Manage vendors including; FMC, Aker Solutions, Vetco Grey and Cameron relating to SIT's, FAT's, delivery of controls equipment (HPU's, SCM's, Test Stands), installation and commissioning of subsea equipment.
- ❖ FMC Technologies Inc. (Shell Perdido) - Ensured Subsea umbilical system aspects of concept/FEED/Detail Design are developed per client specifications and meet per API/DNV/BS/ASME industry standards. Develop scope of supply, hydraulic and electrical schematics for Stage I/II of Perdido field. Resolve technical issues concerning all aspects of subsea equipment. Primary interface for client developing optimal subsea solutions.
 - Design/Develop new Electronic Distribution Manifold optimizing field layout and future expansion.
 - Design /Develop new Umbilical Termination Head and Hydraulic Distribution Manifold for extreme loading conditions.
 - Design/Develop new Umbilical Termination Assembly for poor soil conditions and created options for configuration of various sized HDM's for future expansion.
 - Develop new product specifications, FAT/SIT and assembly procedures for distribution hardware scope.
 - Review and approved all engineering designs and calculations.

2006-2007, FMC Technologies Inc.

- ❖ Served as Shell Global Technical Lead -Subsea Control Systems; Responsible for engineering support regarding Shell global projects located in Brazil, Singapore and Gulf of Mexico. Integrate new product development across global manufacturing locations. Manage hardware and PM/PE deliverables. Identify vendor delivery problems, defining root cause and develop plans to recover engineering schedule delays.

2000-2006, General Dynamics Electric Boat

- ❖ Served as Sr. Engineering IE&C Specialist;
- ❖ Responsible for mechanical design, measurement system application, test data analysis supporting validation, R&D and acceptance test programs.
- ❖ Performed multi-discipline engineering for application development of test instrumentation sensors and systems:
 - Designed and fabricated the first successful unique close proximity measurement system capturing launch characteristics of a Tomahawk missile.
 - Developed method for removal of instrumentation cable buried in exterior hull coating material
 - Designed measurement system for structural performance of LNG bladder.
 - Designed measurement system for tow tank testing of vessel appendages.

1998-2000, Product Research Engineer Fortune Brands-Titleist



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- ❖ Key leadership and technical role that contributed to the Research and Development department by recommending product changes based on statistical performance data. Responsible for three test sites nationwide.

1989-1999, Marine Engineer- 1st, 2nd, 3rd Assistant – USCG Unlimited License Steam and Diesel

- ❖ Responsibilities aboard steam and diesel propulsion plants include: supervision of up to 14 assistants in the administration of matters affecting physical operation of the vessel, from start up to shut down of the main propulsion plant. Managed ABS/ USCG inspections. Prepared tasks for shipyard repair periods both domestic and international with C/E. Followed and maintained records by ISO/ISM standards; assigned/scheduled/inspected work; created spreadsheets to analyze machinery performance; maintained preventative maintenance program.

AWARDS / RECOGNITION

- ❖ Elected Member of Stage Gate Readiness Review Board - FMC product systems, 2007
- ❖ FMC Recognition Award- Hardware Design and Schedule Recovery, 2007
- ❖ Certificate of Appreciation-Director of Ship Building, 2004
- ❖ Letter of Appreciation- Director of Strategic Weapons Systems, 2003
- ❖ Nominated for Engineering Specialist Electric Boat, 2002
- ❖ Honorable Discharge United States Naval Reserve, 1998

PROFESSIONAL AFFILIATIONS

- ❖ Society of Naval Architects and Marine Engineers
- ❖ International Society of Automation
- ❖ American Boat and Yacht Council