



Operating Plant and Systems

Inc

'Your Increased Profitability is Our Bottom Line'

ROBERT T. TOMLINSON SENIOR OIL MOVEMENTS AND BLENDING SPECIALIST

CAREER PROFILE

Robert Tomlinson is a Senior Consultant at Facilitated Integration Technology (F.I.T.) specializing in Refinery Information Systems.

Robert has over 27 years experience in Information Technology, especially in database topics and software design as they apply to the Oil & Gas industry. He has conceived and delivered novel and successful solutions in the areas of refinery product blending, on-sites and off-sites information management, plant maintenance, and integration of real-time data with enterprise information systems.

Work has been performed for a variety of clients in North and South America, Europe, Middle East, Asia and Australia.

Robert has conducted projects ranging from Master Planning to Refinery Area Network design to specific design, development and implementation of software applications. In several instances, clients have invited Robert to return as a consultant in areas beyond the original engagement.

Robert has conducted training courses ranging from formal computer science classes at the university level to informal transfer of technology and user training.

PROFESSIONAL EMPLOYMENT

Facilitated Integration Technology, Inc. Senior Industry Specialist (2003 - Present)

With F.I.T., Robert is applying his expertise in Refinery Information Systems to business process analysis and consulting.

University of Houston Lecturer of Computer Science (2002)

Robert taught upper level undergraduate classes in Object Oriented Programming with an emphasis on C++.

IBM Global Services Consulting IT Architect (2001)

As part of the National Process and Petroleum Group, Robert specialized in adapting IT technology and techniques to support Decision and Operational Support Applications, IT Master Plans, IT Project Technical Leadership, Business Process Consulting.

Digital Consulting and Software Services

Principal Consultant (1997 - 1998)

Robert led a business practice that delivered architected data warehouse solutions and application integration services to a variety of businesses such as medical services, consumer products, specialty advertising and paper manufacturing.

Aspen Technologies (Setpoint Inc.)

Consultant (1999 - 2001)

Senior Staff Analyst (1993 - 1997)

Senior System Analyst (1988 - 1993)

Robert led the extension of Aspentech and Setpoint capabilities from APC to other areas within the process industry. This included the development of robust software interfaces between DCS and PLC equipment to the Aspentech/Setpoint real-time databases (INFOPLUS, SETCIM, SETCON). These efforts also included the integration of relational and real-time database technologies in the form of software to manage and control Blending and Oil Movements operations. Several Master Plan and Information Strategic Plan projects were conducted to identify opportunities, quantify benefits and organize projects to improve refinery network survivability, operations safety, security and profitability.

Bonner & Moore Associates

Senior Consultant (1982 - 1987)

System Manager (1976 - 1982)

Robert's responsibilities at Bonner & Moore included leading the development, support and installation of Plant Maintenance and Parts Inventory Management applications as well as the extension of mainframe capabilities to mini computer and personal computers. Robert also led the development of Oil & Gas Accounting software tailored for the independent exploration and production segment of the industry.

EDUCATION

B.S./M.S., Physics
Texas Tech University

M.S., Computing Science
University of Wisconsin - Madison

Ph.D, Computer Science
Texas A&M University

RECENT MAJOR PROJECTS

- Provided project audit services for a software design and development project. This consisted of understanding the project's total concept and development plan, monitoring the acceptance criteria during several delivery phases and comparing the delivered versus the intended functionality.

- Provided technical leadership in the development and initial implementation of a totally integrated refinery information management system at two European sites simultaneously. This effort will eventually produce a seamless and integrated flow of information among planning, scheduling, order management, order execution, yield accounting, performance analysis and SAP integration.
- Overall technical responsibility for a \$3MM project in South America to modernize refinery Off-Sites operations. The initial project covered two refineries and is currently being extended to an additional nine refineries. The project included order planning, scheduling, preparation, real-time control, optimization and monitoring for product blending, oil movements, APC and integration with corporate legacy systems. The project involved significant integration between relational databases (Oracle, RDB, DB2) and real-time process control information.
- Provided independent consulting services to a South American refinery in the design and construction of a secure and survivable Refinery Area Network (RAN) to support distributed operations and administration.
- Led the development of a Master Plan for a major European refinery intending to become a world show place for modern, efficient and safe operations. The Master Plan evolved into a series of targeted projects each addressing one or two issues identified in the Master Plan. The projects covered several APC areas, plant maintenance, Refinery Area Network (RAN) design, database architecture and computer hardware/software evaluation, selection, implementation and integration. Similar projects were repeated for refineries in Asia and South America.
- Principal architect for a data warehouse that consolidated manufacturing data from operations, product data from corporate business systems and quality analysis data from multiple laboratory information systems. The data warehouse was crucial in providing information for governmental organizations charged with Federal and State tax issues, licensing and anticipated legal challenges.