

WILLIAM J. MEEHAN

Summary

Mr. Meehan joined ESRI in 2002 to provide executive-level support to the Marketing, Sales, and Professional Services Divisions for strategic planning and utility-specific product direction. He is a corporate executive with over 25 years of experience in business operations, engineering, construction, and information technology. Mr. Meehan's expertise encompasses strategic business and operations planning; operations management to maximize customer service and total return; the integration and management of information technology and engineering processes and procedures in complex organizations; the creation and implementation of operational processes and procedures; the development and management of operations and capital budgets; the management of an operations merger due to acquisition; the implementation of deregulation rules and regulations; the maintenance of labor relations, resolution of contract disputes, and negotiation of work rule changes; and the development of people to lead, manage, and deliver results.

Principal ESRI Professional Experience

As the director of ESRI utility solutions, Mr. Meehan provides overall corporate direction for all electric and gas accounts, and he is responsible for business results in the worldwide electric and gas utility sector. Mr. Meehan has developed an enterprise utility process for utilities that focuses on many of the nontraditional applications of GIS within utilities.

Other Professional Experience

From 2000 to 2002, Mr. Meehan was the vice president for electric operations for the NSTAR/Boston Edison Company in Boston, Massachusetts. He provided executive-level leadership for all aspects of electric transmission, substation, and distribution operations, including maintenance, construction, vegetation control, and SCADA and GIS operations. Some of his activities and accomplishments are listed below.

- Creating a new electric operations strategic business and operations plan. The plan was designed to reduce cycle times from customer service requests to actual service delivery, reduce customer power outages, and improve employee productivity.
- Managing more than 1,200 people and an operations and capital budget of over \$170 million.
- Establishing an employee productivity measurement and improvement process.
- Consolidating six different union workforces and sets of work rules.
- Consolidating Boston Edison and Commonwealth Electric transmission and distribution dispatch centers.

- Streamlining a new customer connection process.

From 1999 to 2000 Mr. Meehan was the vice president for business services at the NSTAR/Boston Edison Company. In this position he was the executive lead for a supply chain team engaged in purchasing, fleet management, facilities management, trucking, and warehousing. In this position he accomplished the following:

- Consolidating the supply chain organization following the merger of Boston Edison with Commonwealth Energy
- Leading the implementation of a single supply chain IT system.
- Writing and implementing standard purchasing, fleet management, procurement card, and facilities use policies and procedures.
- Leading a fleet standardization and reduction effort.
- Implementing a global positioning system (GPS) fleet tracking system.
- Bearing responsibility for \$300 million in materials and contracts; 2,000 vehicles; 26 warehouses; and over 300 employees.

During 1999, Mr. Meehan was the project director for the merger of the Boston Edison Company with Commonwealth Energy, which resulted in the company called NSTAR. He led a 90-person transition team that created new organizations, processes, and systems for the merged companies. His accomplishments included the following:

- Producing results: This was one of the fastest investor-owned utility mergers in the United States at that time.
- Establishing synergy savings targets: Targets were exceeded.
- Leading the development of a single IT strategy, a strategy that was implemented successfully.

During 1998, Mr. Meehan was the project director as NSTAR/Boston Edison underwent deregulation and industry restructuring. He succeeded in doing the following:

- Implementing corporate changes in response to the Massachusetts electric industry's restructuring plan.
- Forming the Massachusetts Electric Industry Collaborative to develop business rules for customer choice, an activity that led to a statewide standard.

- Creating a rapid project plan and change specification manuals.
- Writing an innovative employee training program and video.
- Testifying before the state regulating commission.
- Leading the development of an automated load estimation process.
- Successfully implementing all processes, training, and systems on time and within budget.

From 1987 to 1998, Mr. Meehan was the manager of engineering at Boston Edison. In this position he succeeded in the following:

- Leading a team of professionals who engineered, designed, and managed electric utility transmission, distribution, and protection systems and substations.
- Designing and implementing a GIS for use in the engineering design and operation of electrical power systems. The GIS computerized maps, records, and equipment, enabling the company to coordinate protective devices, automate the design of new facilities, optimize cable routing, and improve storm restoration capabilities.
- Developing an internal engineering consulting group to deliver engineering services to external and internal customers. After the group was created, engineering services projects were completed on time and within budget, additional revenue was generated for the company, and the overall productivity of the group improved by 30 percent.
- Producing new engineering processes and procedures for the corporate engineering group of 180 people. Within 18 months, the backlog of work orders decreased from 20,000 to 200, and as-built work order cycle time decreased from 2 years to less than 48 hours.
- Managing a capital project for the engineering design and construction of a \$30 million high-voltage substation. The project was designed and built on time and within budget and had the lowest number of field corrections of any design project to date.
- Inventing and implementing an automated cable and underground design system.

From 1973 to 1986, Mr. Meehan was the Engineering Branch office manager and a project manager for Vanderweil Engineers and Chas. T. Main Engineers in Boston, Massachusetts. He managed a branch office, a substation design group, and a technical computer applications group. He also served as a project manager and senior engineer for thermal power plants, military, institutional, commercial, and transportation engineering, design, and construction projects.

Mr. Meehan has been a lecturer at the Graduate School of Engineering at Northeastern University, where he taught Computer Methods in Power Systems, and Power System Analysis; and at the University of Massachusetts, where he taught Circuit Theory, and Microelectronics and Digital Systems.

Mr. Meehan served as a member of the Board of Directors of the Easton Cooperative Bank from 2000 to 2002 in Easton, Massachusetts. He served on the Planning and Zoning Board of the town of Easton, Massachusetts, from 1992 to 2002, and he was the chair of NSTAR's United Way fund-raising campaigns in 1998 and 1999.

Formal Education

- Greater Boston Executive Program, Massachusetts Institute of Technology Sloan School of Management, Boston, Massachusetts, 1996.
- M.S. (Engineering) Rensselaer Polytechnic Institute, Troy, New York, 1972.
- B.S. (Electrical Engineering) Northeastern University, Boston, Massachusetts, 1971.

Academic and Professional Achievements

- Eta Kappa Nu (Engineering Honor Society), Boston, Massachusetts, 1971.
- Recipient, Geospatial Information and Technology Association (GITA) Speaker of the Year Award, 2003.

Publications

- Meehan, W., and D. Frye, 2003 (September/October), "GIS—A Must for Assessing Pipeline Integrity", *Proceedings of GITA's 12th Annual GIS for Oil and Gas Conference and Exhibition—A Toolbox for System Integrity*, Houston, Texas.
- Meehan, W., 2003, "Shredding the Map," *Distributech Conference Proceedings*, Dusseldorf, Germany.
- Meehan, W., 1999, "Stop Your GIS Project Now," *Proceedings of GITA's 22nd Annual Conference*, Charlotte, North Carolina, pp. 37–45.
- Meehan, W., 1998 (February), "GIS Plays a Role in Industry Restructuring," *Transmission and Distribution World*, Vol. 50, No. 2, 14–16, 20.
- Meehan, W., 1997 (March), "After the Thrill is Gone: Institutionalizing GIS," *Transactions of AM/FM International*, available at <http://www.gisdevelopment.net/proceedings/gita/1997/11/lesl048.shtml>.

- Meehan, W., 1996 (March), "Training Critical in AM/FM/GIS," *Proceedings of AM/FM Conference XIX*, Seattle: AM/FM International, pp. 387–396.
- Meehan, W., 1995 (March), "Anatomy of a Large Electric AM/FM/GIS Project—Halfway," *Proceedings of AM/FM Conference XVIII*, Baltimore: AM/FM International, pp. 1011–1020.
- Meehan, W., 1994 (March), "AM/FM/GIS—Enabling Redesign of the Electric Utility Operations," *Proceedings of AM/FM Conference XVII*, Denver: AM/FM International, pp. 139–148.
- Meehan, W., 1993 (April), "Re-Engineering Work Processes Using AM/FM/GIS," *Proceedings of AM/FM Conference XVI*, Orlando: AM/FM International, pp. 483–490.
- Meehan W., 1992 (April), "Automated Distribution Dispatching Using AM/FM/GIS," *Proceedings of AM/FM Conference XV*, San Antonio: AM/FM International, 255–266.
- Meehan, W., 1992 (April), "Boston Edison's AM/FM/GIS: The Key to Providing Better Service," *Geo Info Systems*, Vol. 2, No. 4, pp. 43–45.
- Meehan, W., 1992 (February), "Strategy Required to Integrate Engineering Workstations Into Utility Environments," *Transmission and Distribution*, Vol. 44, No. 2, 52–54.
- Meehan, W., 1991 (March), "AM/FM Electric Model Using a Geographic Information System," *Proceedings of AM/FM Conference XIV*, San Diego: AM/FM International, 413–423.
- Meehan, W., 1989 (April), "Moving from Utility CADD to AM/FM," *Transactions of AM/FM International*, pp. 347–355.
- Meehan, W., 1989 (December), "AM/FM Systems Require Careful Selection of Hardware and Software," *Transmission and Distribution*, Vol. 41, No. 12, 34–38.
- Meehan, W., 1989 (September), "Metamorphosis: Manual Drafting to CAD System," *Edison Life*.
- Meehan, W., 1989 (June), "Strategy of Integrating Engineering Work Stations Into Electric Utilities," *Transactions of Engineering Workstation Conference*.
- Meehan, W., 1988 (November), "AM/FM System Provides Benefits to Customer," *Transmission and Distribution*, Vol. 40, No. 11, 34–38.
- Meehan, W., 1988 (February), "PC Based CAD Used for Substation Drawings," *Transmission and Distribution*, Vol. 40, No. 2, 54–59.
- Meehan, W.J., 1986 (November), "Modeling the Electric Utility System," *Transmission and Distribution*, Vol. 38, No. 11, pp. 32–36.

- Meehan, W.J., S.B. Sager, and D. Honn, 1985 (May/June), "Fire-Safety and Security Enhancement for Renovated Subway Station," *Electrical Consultant*, Vol. 65, No. 3, pp. 30–34, 43.
- Meehan, W.J., 1984 (September/October), "CADD Systems—A New Tool for the Electrical Consultant," *Electrical Consultant*, Vol. 64, No. 5, pp. 8–15.
- Kaitz, E.J., and W.J. Meehan, 1984 (May/June), "Life-Safety, Security and Electrical Systems Installed in Converted Facility," *Electrical Consultant*, Vol. 64, No. 3, pp. 54–62.
- Meehan, W.J., 1983 (December), "Integrating CAD Into Your System," *Consulting Engineer*, Vol. 61, No. 6, pp. 46–48.
- Meehan, W.J., and J.F. Bates, 1981 (June), "Computerized Auxiliary Electric System Design and Analysis," *IEEE Transactions on Power Apparatus and Systems*, Vol. PAS-100, No. 6, pp. 2819–2826.
- Meehan, W.J., J.F. Bates, and J.E. Mulgrew, 1980 (July/August), "Computerized Circuit and Raceway Management," *IEEE Transactions on Power Apparatus and Systems*, Vol. PAS-99, No. 4, pp. 1670–1677.
- Meehan, W.J., J.F. Bates, and J.E. Mulgrew, 1978 (July), "Complete Auxiliary Electric Design—A New Strategy," *IEEE 1978 Power Engineering Society Winter Meeting*, New York, New York, pp. 200–208.
- Meehan, W., 1978, *Power System Analysis by Digital Computer*, Boston: Northeastern University Press.

Professional Activities

- International Board of Directors, Geospatial Information and Technology Association (GITA), 1997–1999.
- Member, IEEE, 1971–present.
- Member, Power Engineering Society, 1971–present.

Professional Certification

Registered Professional Engineer, Massachusetts, 1978–present.