



# WernerAnderson

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*... defining M&S*

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werneranderson  
●●●● MODELING • SIMULATION • ANALYSIS

# Mission Statement

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## **Innovation**

- Solve challenging problems that provide real solutions for our customers.
- Transition the technology we create to innovative commercial products.

## **Value**

- Operate the company on a sound financial basis emphasizing aggressive growth that builds value for our stakeholders and expands opportunities for our employees.

## **Community**

- Promote a vibrant and sustainable community through economic development, jobs creation, and community service.

# Vision Statement



- It is our vision that we will create real value for our customers, our company, and the communities of which we are a part, that we will solve hard problems that advance the science of modeling and simulation, and that through these efforts, our company will lead the way in the industry of modeling and simulation.
- We are committed to partnerships architected to achieve excellence in M&S and are working to be the “best M&S company on the planet”.

# Management Team



- **Dr. Eric Weisel** is CEO of WernerAnderson, Inc. Dr. Weisel received the Ph.D. in Modeling and Simulation from Old Dominion University in 2004, the M.S. in Operations Research from the Florida Institute of Technology in 1995, and the B.S. in Mathematics from the United States Naval Academy in 1988. Prior to founding the company, he served as a U.S. Navy submarine officer on Los Angeles class attack submarines and various Navy and joint staffs with experience in nuclear engineering; navigation; and submarine, battle group and joint operations. He is active in local government in Virginia.
- **Dr. Weisel** serves on the Board of Advisors for the Virginia Modeling, Analysis, and Simulation Center. He has recently served on the Virginia General Assembly's Joint Commission on Technology and Science Modeling & Simulation Advisory Committee and as Chair of the Gloucester County Planning Commission. He is an Adjunct Professor at Old Dominion University teaching courses in Operations Research and Modeling and Simulation.

# Management Team

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- **Lisa Jean Moya** is Chief Scientist of WernerAnderson and leads its modeling and simulation (M&S) research and development effort. She is co-chair of the M&S Congressional Caucus Standing Committee in support of M&S Professional Development and Education. Ms Moya's areas of expertise include Multiple Objective Decision Analysis (MODA), Multi-Attribute Utility Theory (MAUT), Modeling and Simulation, simulation validation, and the development and application of analysis.
- **Lisa** has experience in analyses of alternatives; requirements evaluation; and M&S planning, use and validation for the department of defense. Ms Moya is a PhD candidate in the Modeling and Simulation program at Old Dominion University and received an M.S. in Operations Research from The College of William and Mary and a B.S. in Applied Mathematics from Old Dominion University. Her research interests include agent based simulation, simulation theory and formalisms, and validation.

# Management Team



- **Ben Francisco** leads WernerAnderson's operations and business development sector. He is a successful Corporate Development and Operations Manager with over eleven years of commercial experience and 24 years active military duty. From Sales Manager of a high tech business to Capture Manager for large federal contracts; Ben is a seasoned operations manager with proven leadership, strategic planning, and management skills.
- Ben's wide range of military experience includes: Naval Research Lab Military Operations & Administration Officer, USS Enterprise Navigator, Training Squadron 27 Commanding Officer, and Patrol Wing 2 Logistics- Maintenance Officer. His education includes a BS in Oceanography, MS in Management and a year at the Senior Air War College.

# Services and Products

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- M&S research and analysis
- M&S planning and management
- M&S requirements analysis, development, and validation
- M&S training and exercise support
- Products
  - ✦ Joint Crowd Federate™

# Services and Products

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# Predictive Simulation of Chemical and Biological Agents in Potable Water Systems

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- TECHNOLOGY AREAS: Chemical/Bio Defense, Information Systems, Electronics
- OBJECTIVE: To develop physics-based sensor-enabled simulation software capable of predicting the transport and fate of contaminants in a potable water system. The system interactions include several physicochemical processes including absorption and hydrolysis.
- This tool will compliment new Army physicochemical modeling of hydraulic flow within a water distribution system. Laboratory evaluation and pilot testing at selected Army facilities will be conducted for verification of the simulation tool. This software will be object oriented and Windows based.