



MANAGEMENT BIOS

Robert W. Zack **President, Chief Executive Officer, Chief Financial Officer & Director**

Robert W. Zack has served as our president and chief executive officer since July 2005 and as a member of our Board of Directors since February 2006. Zack also continues to serve as our chief financial officer, a position he has held since April 2003. Prior to that, Mr. Zack had served as our vice president and controller since February 2002. Before joining Catalytica Energy Systems, Mr. Zack served as group vice president of finance for MicroAge, Inc. From 1995 to 1999, he served as the chief financial officer of NIENEX. Zack has held various executive and financial management roles at Active Noise and Vibration Technologies, Pinnacle West Capital Corporation and Arthur Andersen L.L.P. He earned his B.S. in accounting and his MBA from Arizona State University. He is also a certified public accountant.

William J. McMahon **President - SCR-Tech**

William ("Bill") McMahon has served as president of SCR-Tech since March 2005. He joined SCR-Tech with 28 years of business operations, sales, marketing and engineering experience including more than 25 years in the energy and utility industries. Prior to joining SCR-Tech, Mr. McMahon was group vice president of the Ultrapure Water division of Ionics, Inc., where he led 14 subsidiaries in both the U.S. and internationally, generating more than \$250 million in annual revenues. From 1997 to 2000, he held several executive level positions including chairman, president and chief executive officer of Pantellos, a leading supply chain solutions company serving the energy industry; president and chief executive officer of Stone & Webster Sonat Energy Resources; and president of Stone & Webster Energy Services Inc. From 1978 to 1997, Mr. McMahon held positions of increasing responsibility in sales and marketing management at DB Riley, Inc., a leading supplier of steam generating, fuel firing and environmental equipment for electric utilities and industry, and at The Babcock & Wilcox Company, a world leader in power generation equipment design, supply and service including SCR systems for coal-fired power plants. During his tenure at DB Riley, Mr. McMahon launched their environmental business (now Babcock Power) utilizing technology from Germany. This division grew to become the leading environmental firm in the U.S. supplying air pollution control systems. Mr. McMahon began his career as a service engineer at Babcock & Wilcox, starting up coal-fired power plants and environmental equipment, and quickly worked his way up to District Sales Manager. Mr. McMahon earned a B.S. degree in Nuclear Engineering from Georgia Institute of Technology and an MBA from Xavier University.

Michael Cooper **Director, Research & Process Development**

Mike Cooper has worked for Catalytica Energy Systems (and previously Catalytica, Inc.) for more than twenty five years in developing, managing and deploying a wide range advanced catalytic technologies. Mr. Cooper is primary inventor on a number of patents for solid super-acid gasoline alkylation catalysts, as well as a solvent based regeneration process to restore the activity of those catalysts when they deactivate. In connection with this, he managed R&D efforts in both the United States and Finland as part of a joint development program between Catalytica, Conoco and the Finnish National Oil Company. Mr. Cooper also managed the technical services group for Advanced Sensor Devices, a Catalytica business unit that successfully developed and deployed a novel technology based on SCR chemistry for the monitoring of stack gas NO_x emissions. Most recently, Mr. Cooper has been responsible for manufacturing process development activities related to CESI's proprietary small gas turbine NO_x reduction products and its mobile diesel NO_x reduction products. In connection with this, he has worked to transfer innovative catalytic technology from the laboratory bench and test cell to the commercial marketplace. Mr. Cooper was involved in the original acquisition and integration of SCR-Tech into the CESI parent company, and has continued to work very closely with the SCR-Tech technical team after that successful integration. In this regard, he served as project lead on the recently completed study jointly conducted between SCR-Tech, American Electric Power and Southern Company on SO₂ conversion optimization over regenerated SCR catalysts. In addition, he authored a paper on this work for Power Engineering Magazine and has given presentations relating to this at conferences held by EPRI, DOE / NETL and Electric Power 2006. Mr. Cooper earned Bachelor's and Master's degrees in chemistry from San Jose State University.

Howard N. Franklin, Ph.D.
Director, Technology

Howard Franklin has served as director of technology for SCR-Tech since June 2005 and is responsible for overseeing intellectual property activities, managing technical service operations and providing sales support. Dr. Franklin joined SCR-Tech with more than 35 years of experience in power plant operation and NOx abatement including comprehensive technical knowledge of SCR system design, operation and troubleshooting for coal-fired power generating facilities. Prior to joining SCR-Tech, Franklin served as an SCR technical manager at Hitachi America from 2000 to 2005. During his five years with Hitachi, he was responsible for all technical aspects and engineering associated with SCR systems and for the design, application and operation support for SCR catalyst. Previously, Franklin spent 27 years at Foster Wheeler Energy Corporation, where he held positions of increasing responsibility in project management, engineering, manufacturing and construction, most recently as the primary technical manager for all post-combustion NOx control. During his tenure at Foster Wheeler, he was instrumental in the designs of the first four coal-fired SCR systems installed in the U.S. and was involved in the design, construction, start-up and operation of large complex power plant facilities including SCR systems. Franklin holds B.S., M.S. and Ph.D. degrees from Brooklyn Polytechnic Institute.

Michael F. Mattes
Vice President, Sales and Marketing

Michael Mattes has served as our vice president of sales and marketing since March 2007, and is responsible for all sales, marketing, customer service and business development activities for SCR-Tech. Mr. Mattes joined SCR-Tech with 32 years of business operations, sales, marketing, engineering, and logistics experience, including more than 25 years in the energy and utility, chemical manufacturing and hazardous waste industries. Prior to joining SCR-Tech, Mattes served as vice president of sales and business development for Schneider National Bulk Carriers where he led his sales team into new lines of businesses and improved customer relationships. From 1984 to 2005, he held several executive level positions including group vice president of Phillip Service Corporation, a leading hazardous waste disposal and service company. From 1980 to 1984, Mattes held positions of increasing responsibility in environmental engineering at Babcock & Wilcox Company, a world leader in power generation equipment design, supply and service including SCR systems for coal-fired power plants, where he was responsible for preparing bid proposals and negotiating license agreements. He began his career in 1975 as a production supervisor for E.I. DuPont, Inc. a chemical manufacturing company, and was credited with achieving significant capacity increases and product improvements. Mattes earned a B.S. degree in Chemical Engineering from the University of Akron.

Kevin J. Lane
Vice President, Finance & Corporate Controller

Kevin J. Lane rejoined Catalytic Energy Systems, Inc. as vice president of finance and corporate controller in September 2006 after having previously served as our corporate controller and director of financial planning and analysis from 2002 to 2005. From July 2005 through August 2006, Mr. Lane served as assistant controller at PetSmart, Inc., and previously held various financial management positions at Intesys, MicroAge, Inc., and Arthur Andersen & Co. He is a certified public accountant and a graduate of Illinois State University.

Megan F. Meloni
Director, Investor Relations & Marketing Communications

Megan F. Meloni joined our former parent company Catalytica, Inc. in September 1999 as manager of investor relations, and has served as our director of investor relations and marketing communications since March 2001. Before joining Catalytica, Ms. Meloni occupied positions of increasing responsibility at Fastrac Systems, Inc., most recently as senior account manager where she headed up the client services department and served as the primary operations contact for its automobile services division. Prior to that, she held positions in investor relations and corporate communications at Shaman Pharmaceuticals, Inc. She is an active member of the National Investor Relations Institute (NIRI) and the American Marketing Association (AMA). Ms. Meloni graduated Cum Laude from the University of California, Davis with a B.A. degree in Organizational Studies and a minor in French. Fluent in French, she also spent a year studying abroad at l'Institut d'Études Politiques in Lyon, France.

Richard M. Weinroth
Secretary and Corporate Counsel

Richard M. Weinroth has served as corporate counsel to Catalytica Energy Systems, Inc. since August 2003. Mr. Weinroth has practiced corporate and securities law for more than 20 years. Prior to joining Catalytica Energy Systems, he practiced law as a partner at O'Conner Cavanagh, with Mitchell, Weinroth & Bolden, P.C. and with his own firm, served as General Counsel of the Arizona Corporation Commission Securities Division, and as in-house general counsel for various private companies, including NeoPlanet, Inc., an internet and software company. From 2002 to 2003, Mr. Weinroth also served as president of NeoPlanet. Mr. Weinroth also serves as part-time CEO of a real estate investment holding company he founded in 1997, Aurora Enterprises, LLC, which has ownership interests in real estate in Arizona and Canada. He has an AV® (highest) rating from Martindale-Hubbell® and has previously served on the Securities Council of the Securities Regulation Section of the State Bar of Arizona. Additionally, Mr. Weinroth has authored or co-authored a number of articles on securities law and has testified as an expert witness on securities matters in civil, criminal and administrative proceedings. A member of the State Bar of Arizona since 1983, Mr. Weinroth earned a B.A. in History from Lafayette College and a J.D. from The University of Chicago Law School. He also holds a Certificate of Non-Profit Management from Arizona State University.