# Timothy S. Dye, CCM

*Senior Vice President /*
*Chief Business Development Officer*

Mr. Dye joined STI in 1990. He is responsible for strategic planning and management of STI's forecasting/public outreach, meteorological analysis, and radar wind profiler (RWP) business areas. He specializes in developing innovative information systems for air quality applications and public communication. He is an internationally recognized leader in the development of air quality information and forecasting systems. Mr. Dye has led the development of the U.S. Environmental Protection Agency's (EPA) AirNow program since 2002; was lead author of the EPA guidance document for setting up ozone and $PM_{2.5}$ forecasting programs; led the development of the World Meteorological Program's course on air quality forecasting; and developed a wide range of objective forecasting tools for predicting air quality.

With years of project and program management experience, Mr. Dye has introduced many innovative programs. Since 2000, he has managed over 30 projects/work assignments and has been involved in over 100 work assignments for the EPA. He designed and led STI's air quality mapping and forecasting programs, including the Sacramento, California, ozone forecasting program (1996–2009) and the EPA's AirNow program (2002–2009). Mr. Dye led the redevelopment of the EPA's AirNow program, modernizing the software systems to use geographic information system-based mapping, relational databases, and interoperable web services for distributing AirNow data and information. He also led the EPA's effort to expand the AirNow program internationally (AirNow-International) in Shanghai, China.

## Education and Certifications

- MS, Meteorology, Pennsylvania State University
- BS, Meteorology, Millersville University of Pennsylvania
- Certified Consulting Meteorologist (#619)

## Memberships

American Meteorological Society

For a list of publications, see
sonomatech.com/ResPub/TSDpub.pdf.

Mr. Dye developed a variety of science-based public outreach tools to help air quality agencies communicate technical, scientific information to the public. He led the development of a web-based ozone simulator called SmogCity (smogcity2.org) that educates the public about the cause-and-effect relationships between ozone formation and weather, emissions, and population. Mr. Dye also developed AirShare (airshare.info), a social networking system that provides a web-based clearinghouse for air quality communicators to exchange and share information about their local air quality outreach programs.

Mr. Dye has been involved with meteorological measurements for over 30 years. He has worked on many aspects of over 50 RWP installations and operations, including project management, site selection, instrument deployment, network management and remote access, data processing, quality control, and analysis. Mr. Dye is investigating low-cost instruments that citizens could use to measure air quality conditions.

Mr. Dye serves on the Management Review Board for STI's participation in a Cooperative Research and Development Agreement (CRADA) to commercialize the National Oceanic and Atmospheric Administration's boundary-layer radar profiling technology. In addition, Mr. Dye serves on the American Meteorological Society's Board of Certified Consulting Meteorologists.