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Ronald G. Wroblewski, P.E. has over 21 years of engineering experience helping customers design, analyze, specify and optimize commercial and industrial energy systems. In addition to earning both a bachelors and masters degree in mechanical engineering, Ron is a highly rated trainer who applies proven principles of adult education to make his technical seminars beneficial and fun. Below are highlights of his experience.

- Industrial Fan Systems Optimization, Global Training Curriculum Development and Senior Trainer- Lawrence Berkeley National Lab Currently writing a manual to accompany a five-day comprehensive training in industrial fan systems optimization. The manual and training will be one part of a market transformation effort to train engineers in developing countries to recognize and realize motor system optimization opportunities (fans, pumps, compressors, motors).
- Fan System Assessment Tool (FSAT) Qualified Specialist Training Curriculum Development and Senior Trainer – Oak Ridge National Lab Currently developing a two-and-a-half day training course to certify FSAT Qualified Specialists. As part of their market transformation efforts, the Department of Energy's Office of Industrial Technologies Best Practices program will certify specialists in the use of FSAT software. Before being listed on the DOE website, specialists will take the course and pass the qualifying exam.
- Motor Systems Energy Efficiency Standard (draft) for the Peoples Republic of China – Lawrence Berkeley National Lab As part of a team of experts assembled by the LBNL, Ron re-wrote and reviewed portions of draft standard that is currently under consideration for adoption by Chinese Authorities. These sweeping recommendations address industrial motor energy usage from a systems perspective.
- Qualified Specialist AirMaster and PSAT (Pumping System Assessment Tool) Software – USDOE OIT Ron is the only specialist cross-qualified for AirMaster and PSAT software. This breadth of knowledge across multiple key industrial end-uses of electricity allows Ron to better assist industrial customers in their efforts to prioritize the opportunities in their motor-driven systems.
- Fan System Assessment Training Curriculum Development and Senior Trainer – Oak Ridge National Lab Developed a one-day end-user training centered around FSAT (Fan System Assessment Tool) software and how to identify optimization opportunities in industrial fan systems. Curriculum development was completed Fall of 2004 and is now available nation-wide through the US DOE Office of Industrial Technologies (OIT).
- MotorMaster Software Trainer – Energy Center of Wisconsin Provide training and tutoring in the use of MotorMaster Software to over 20 industrial users.
- Optimizing Compressed Air and Electrical Systems – United Nations Industrial Development Organization (UNIDO) and United Nations Development Program (UNDP) Developed three-day introductory training focusing on air compressors, fans, pumps, motors, air conditioning, and lighting. Ron has presented this fully subscribed and highly rated course 5 times in Kenya in 2003 and 2004.

- Plant Assessments – Wisconsin Manufacturing Extension Partnership (WMEP)
Provided technical assessments of energy savings potential at dozens of WI manufacturing facilities.
- Motor Systems Optimization Training in the Peoples Republic of China – UNIDO
Developed three day training course in fan systems optimization for Chinese engineers and experts. Conducted training once in Nanjing and once in Shanghai in 2002. Follow up trip in 2003 to review progress of Chinese experts.
- Performance Optimization Service (POS) Program Project Manager - Energy Center of Wisconsin Coordinated early demonstration efforts for a statewide market transformation program in the mid-1990s to develop market infrastructure to capture energy savings and productivity gains in industrial fan, pump and blower systems.
- Responsible Power Management Program Manager – Energy Center of Wisconsin and Wisconsin Demand Side Demonstrations Coordinated statewide marketing and market transformation effort in the mid 1990s that relied largely on developing relationships with trade allies in the motor repair and distribution chain, and training them to understand the benefits of using energy efficient motors.
- Demand Side Management program consulting and implementation – XENERGY Inc. Provided technical expertise for several demand side management programs ranging from analysis of proposed programs, proposals, to development and implementation.
- Senior HVAC Engineer - Frederic R. Harris, Inc. Supervised and trained junior engineers, designers, and drafters, headed design of all HVAC systems, selected equipment, and wrote specifications.
- Project Engineer and Utility Rate Analyst - Cosentini Associates Designed HVAC systems, wrote specifications, analyzed utility rates, and supervised designers.

PROFESSIONAL & EDUCATIONAL BACKGROUND

Wisconsin & New York PE • M.S. Mechanical Engineering (M.E.), University of New Mexico, 1984 • B.S.M.E. University of Illinois at Urbana-Champaign, 1982 • Member ASHRAE & AEE • Board of Directors Midwest Renewable Energy Association