

**RESUME*****Tom McDougall, PE, Assoc. AIA***

Tom McDougall is President of The Weidt Group, directing both the firm's Energy and Software Design services. Since joining the firm in 1987, he has been an energy, daylighting and environmental design consultant for numerous award-winning architectural projects, including four national AIA Top Ten Green Projects, and software development projects. Mr. McDougall has been a contributor to many energy guidelines, including Minnesota's B3 project

Mr. McDougall has led hundreds of DOE-2 energy analysis simulations for Xcel Energy's *Energy Design Assistance* Program as well as working on special research projects including, Adiabatic Humidification Study, Hotel HVAC Control Study, and Minnesota Energy Code Impact Study.

Additionally, Mr. McDougall has been a contributor to many energy guidelines, including Minnesota's B3 project, for which he is also the Project Manager for the Energy Benchmarking Component. He has developed over a half dozen successful building analysis software tools, authored and co-authored articles and books on environmental building design, and has consulted to major building manufacturers. Mr. McDougall received his Master of Architecture and Bachelor of Civil Engineering degrees from Iowa State University.

***Selected Project Experience***

- State of Minnesota B3 Project Manager for the Energy Benchmarking Component: a 5-year program to benchmark building energy performance for all public buildings in the State of Minnesota
- State of Minnesota B3 Team member for the development of a new Energy Guideline Component: the goal of the project is to reduce energy consumption by 30%, as compared to current energy code requirements, for all new State building projects
- Overall technical manager for Xcel Energy's Energy Design Assistance program (1993-present), providing DOE-2 analysis for hundreds of new buildings, including government service centers, libraries, detention facilities, and office buildings
- Lead Energy and Environmental Designer for the Science House, an experimental building completed in 2003 for the Science Museum of Minnesota. The project was designed to be a net zero energy building, incorporating state-of-the-art energy conservation and efficiency systems, powered by an integrated photovoltaic roof. The energy monitoring system is currently in progress.
- Project Manager for energy monitoring data analysis for the Iowa Association of Municipal Utilities Office & Training Facility, Ankeny, IA
- Science House Renovation, Science Museum of Minnesota, St. Paul
- Center for Energy and Environmental Education Building, University of Northern Iowa