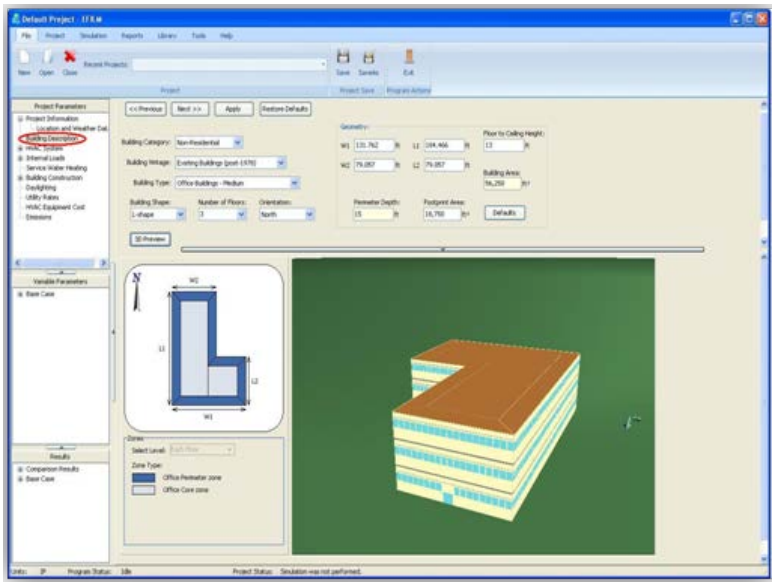
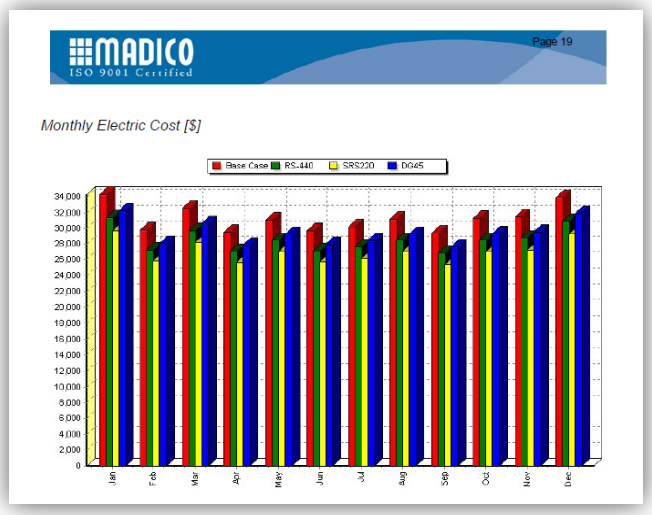
E*film*

Madico is proud to present E*film*, a new energy analysis software package designed specifically for the window film industry. This program allows us to create highly detailed and accurate building models and estimate annual utility savings and return-on-investment for our window films. E*film* constructs a 3-D model and incorporates custom glass and film options, then runs a simulation to estimate the annual savings and the payback on the film choices. It runs on the Energy Plus 6.0 simulation engine, a program developed by the U.S. Department of Energy (DOE), which is considered the most accurate and complete energy analysis software available today. Used in conjunction with OPTICS5 and WINDOW5, programs also developed by DOE funded research facility Lawrence Berkley National Labs (LBNL), Madico has the ability to model all of our films on any commercially available glass.



The construction process of the building has a high level of customization. We can set the building type, age, size, shape and orientation, and geographical location. We have weather data for cities all over the world, allowing us to apply realistic external loads on a building. We can customize the HVAC systems, lighting, occupancy, building constructions, infiltrations, hot water usage, emissions levels, and even add daylighting controls.



The results of E*film* are very extensive and go far beyond providing a simple payback on investment. We can study electric and gas consumption and cost over any given time period, from a single day up to a whole year, and look at the breakdown of consumption by each system. We can provide graphs showing monthly reduction in CO2 and NOx emissions, and even glare reduction and thermal comfort improvements. In essence, E*film* shows how the entire building and all of its systems will respond to window film. It is a very powerful program that brings Madico to a new level of professionalism and engineering, while demonstrating the full capabilities of Madico window film.