

MAKING ENERGY CONTROLS MEANINGFUL

Modern energy plant controls are designed to operate equipment. They are not designed to anticipate load demand, monitor and react defensively against complex utility rate structures, measure equipment performance against specifications, identify maintenance priorities or monitor and forecast operating costs.

EnergyShepherd provides that capability - forging the intelligent link between equipment capability and user demand.

OVERVIEW

EnergyShepherd is an equipment optimization and management software tool specifically developed for monitoring and improving the efficiency of medium to large central and distributed energy plants. It is ideally suited for facilities such as university campuses, medical complexes, multi-building office configurations, government installations and similar size operations whose energy plants control complex arrays of boilers and chillers that provide heating and cooling for large public areas.

Energy costs have reached budget-busting proportions for many industrial and commercial users. In today's complex energy environment, simply operating the wrong equipment configuration at the wrong time can establish a peak use demand for the month, if not for the entire year, resulting in heavy utility rate penalties and increased operating costs. Even the most sophisticated plants face the ever-present risk of budget overruns, system failures or both trying to balance user demand against unforeseen weather fluctuations, complex utility rate structures, equipment performance failures and inconsistent operating practices.

Medium to large centralized plants running configurations of heaters and chillers and responding to demand either automatically or by manual operator control, represent a complex, dynamic scenario where real-time data is key. EnergyShepherd provides that key—forging the intelligent link between equipment capability and user demand.

EnergyShepherd is designed to both monitor and optimize plant performance, anticipating and balancing user demand against energy cost. EnergyShepherd monitors and forecasts energy consumption in real time dollars, minute to minute and out to a year in advance. Operators and administrators can see exactly how efficiently their plant is performing day to day and the impact of that performance on annual operating costs.

EnergyShepherd is data agnostic. Built on a Microsoft Excel platform, which EVERY facility can manage, the software was designed and refined over several years of actual field deployment in the design, development, commissioning and operation of large complex plants. It will monitor and manage operations regardless of the control systems and technology in place for any utility rate in any utility market. The software program can integrate with and optimize any manufacturers or group of manufacturers' control systems that have an accessible data link.