**Efficient power savings by means of various analysis tools**
~ Nissin Electric starts selling energy management systems ~

On July 1, Nissin Electric Co., Ltd. began marketing energy management systems on a full-scale basis, whose usefulness has been demonstrated in Smart Power Supply Systems (SPSS) built on the company's premises. The systems are fully equipped with data management functions useful in running statistical analyses on electricity use in factories and buildings, thereby contributing to implementing energy conservation and power saving measures.
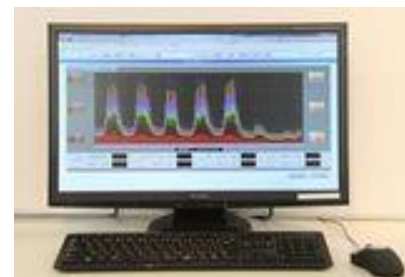
1. Background

Since 2011, our company has been engaged in the development and verification of photovoltaic system, visualization of how much power is consumed in factories and office buildings, and battery energy storage system by means of SPSS intended for the saving and stable supply of electricity built on our head office premises. At our Maebashi Works, we built an actual-scale verification system composed of photovoltaic system, cogeneration systems, battery energy storage system, energy management systems, and a substation facility condition monitoring system, on an enlarged scale, with demonstration work starting in March 2014.

In efforts to achieve the first stage of verifying energy management systems, our company has recently completed development of a product capable of provoking attention to the necessity of energy conservation and power savings by means of a variety of functions such as different analysis tools and monitors.

2. Product overview

The energy management system is offered as a dedicated Web server in the form of a system combined with the existing central monitoring and control system FACTMATE®. The energy management system uses FACTMATE as well as the existing infrastructure such as general-purpose data gathering devices and on- premises LAN to gather vast amounts of data on energy use inside an electricity user's facilities and then manage the data under one umbrella, offering various energy analysis tools and monitoring functions on the Web to be used in implementing energy conservation and power saving measures.