cpmPlus Energy Manager is modular and allows an implementation to start small and grow over time. An entry level system built upon the cpmPlus application platform makes use of the cpmPlus History database, user interface, calculation and reporting tools to provide an Energy Monitoring and Reporting package.

It can be installed quickly and is easy to use. In addition, it is flexible and can be easily upgraded to allow Load Planning and Energy Optimization.

**Energy monitoring and reporting**

Measuring energy consumption of equipment is the basis for energy efficiency improvement. cpmPlus Energy Manager calculates energy efficiencies and provides easy-to-use visual tools for monitoring and targeting to identify in real time the areas where improvement is required.

**Functions:**

- Measured energy consumption
- Costs and energy efficiencies
- Setting targets for energy consumption
- Monitoring actual performance against targets
- Uniform report and display templates
- Customer specific reports and process displays
- Analysis tools to analyze energy consumption
- Alarms to alert operators to take action

A system can be quickly and easily delivered to the customer, configured to collect process measurements, and applied to monitor, analyze and report energy use. The system helps reduce energy consumption by comparing the actual energy consumption against targets and identifying in real time the areas, where improvement is required.
Energy monitoring and reporting functions analyze the use of energy and utilities. They support energy efficiency improvement by quickly and accurately indicating actual performance and comparing it with set targets.

Some examples of the performance reports are:
- Consumption and cost of utilities per hour/day/month/year, by individual and aggregated users
- Consumption and cost of utilities per end product unit
- Analysis of load profile and peak demand
- Benchmarking (comparing current performance against the past)
- Rating energy performance against targets

Benefits
ABB’s cpmPlus Energy Manager can significantly reduce your site energy bill and increase productivity through identification of best practice opportunities in site utilities and processes, assessment of behaviors & practices and monitoring & targeting strategies.

- Lower balancing power and cost
- Lower demand charges and penalty fees
- Higher energy efficiency and reduced carbon footprint

Real time monitoring and reporting

*The shaded area denotes additional cpmPlus Energy Manager modules that can be easily integrated to allow Load Planning and Energy Optimization.

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