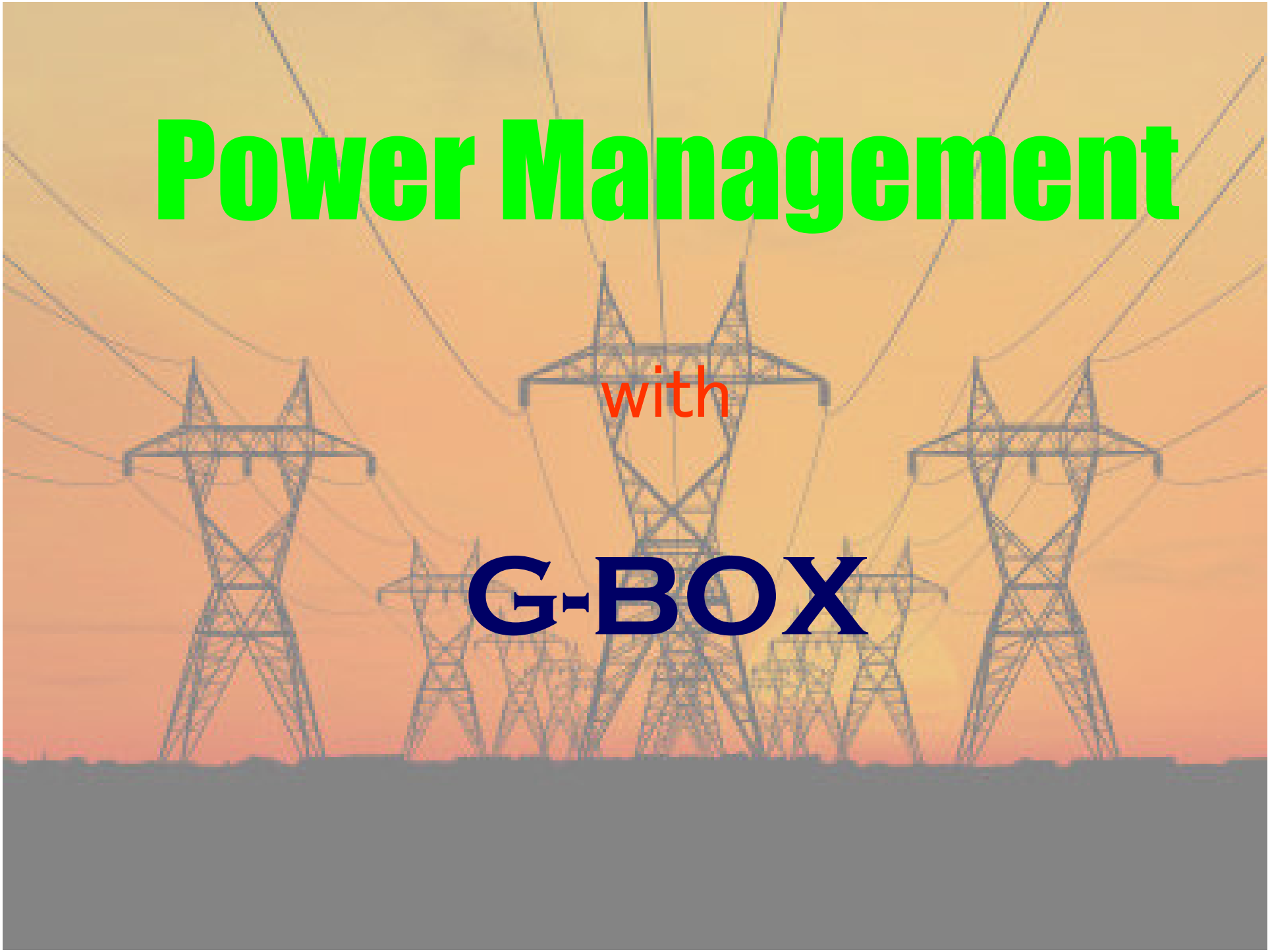
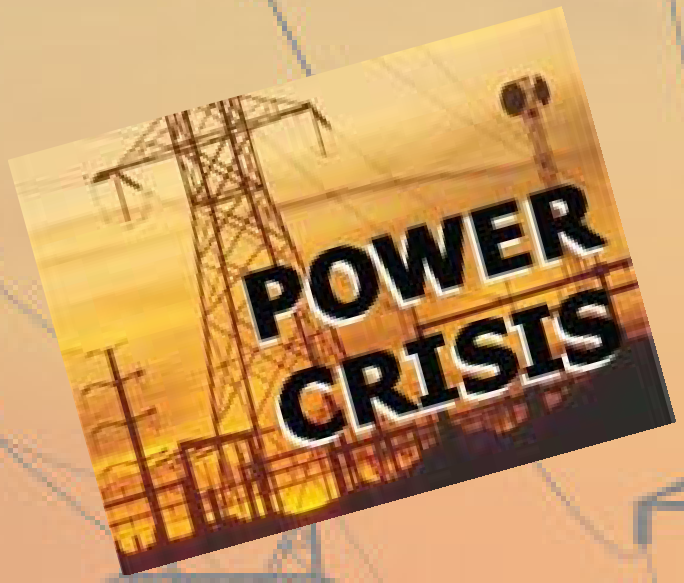
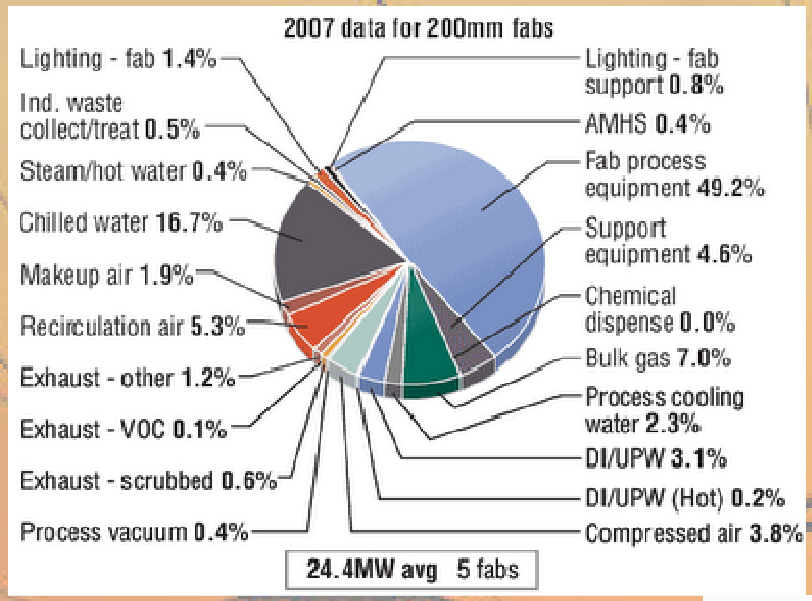
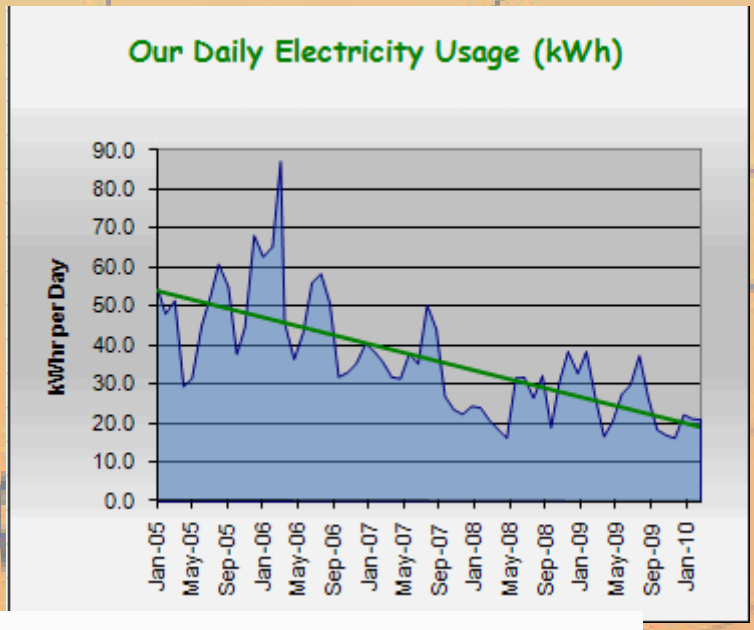

Power Management
with
G-BOX

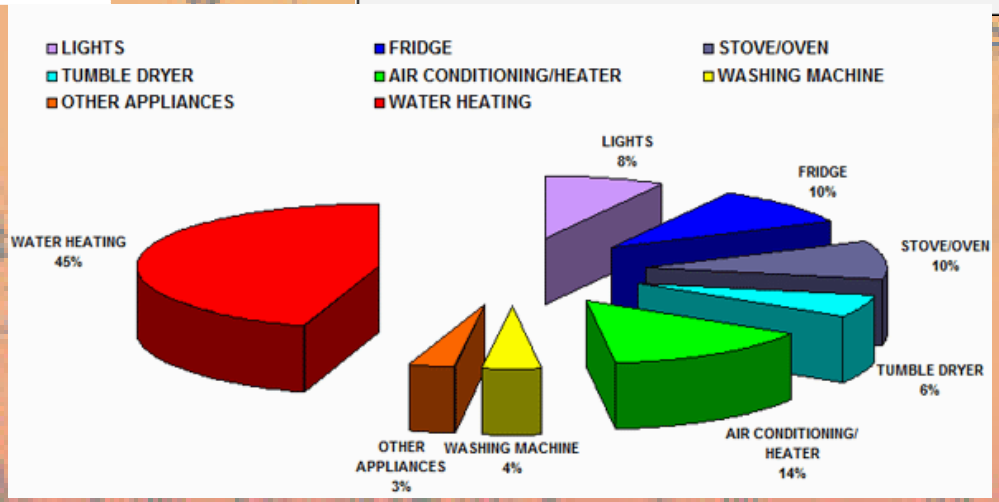


Today there is a growing need to manage and reduce power consumptions in factories and businesses.

The solutions available today involve setting up sub-meters and connecting them and logging the power usage.



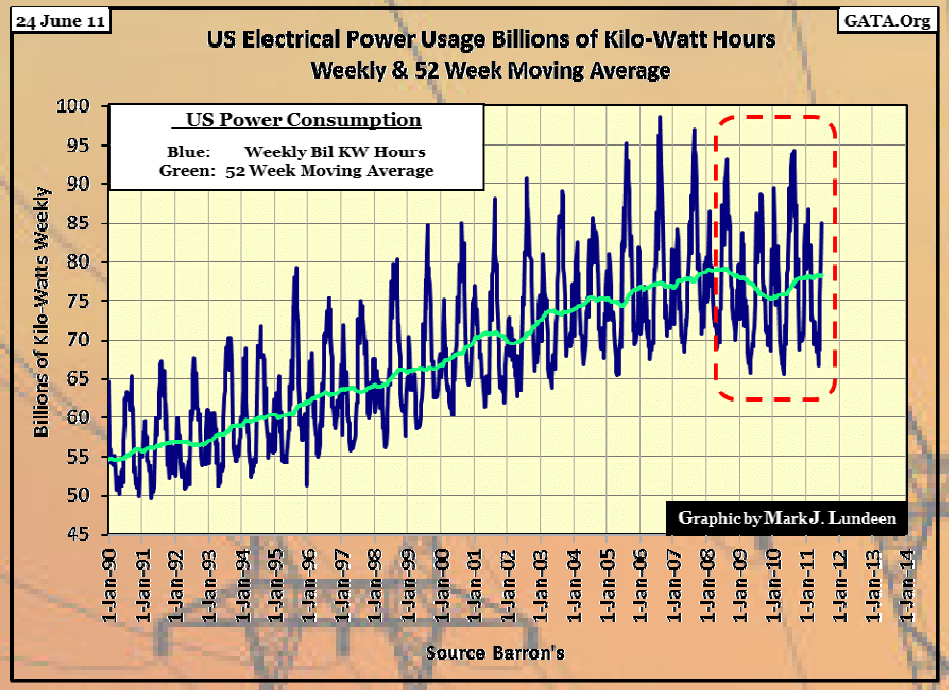


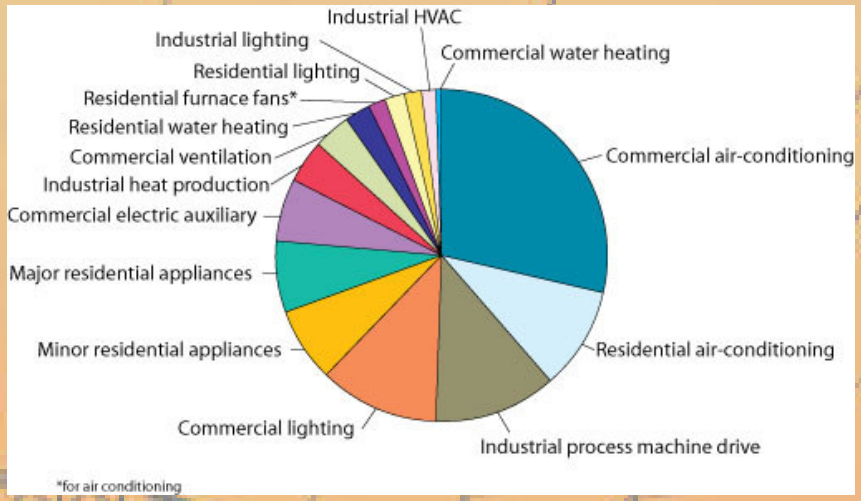


This data is fed to power management and reporting systems which are basically analytics system to pinpoint the peak power usage location and times.

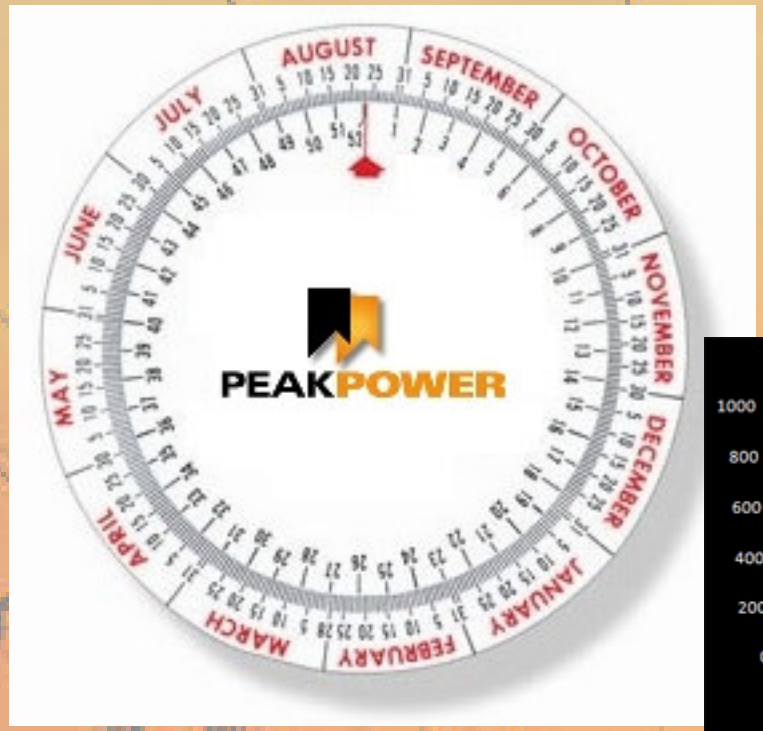
Problems with the current power management system

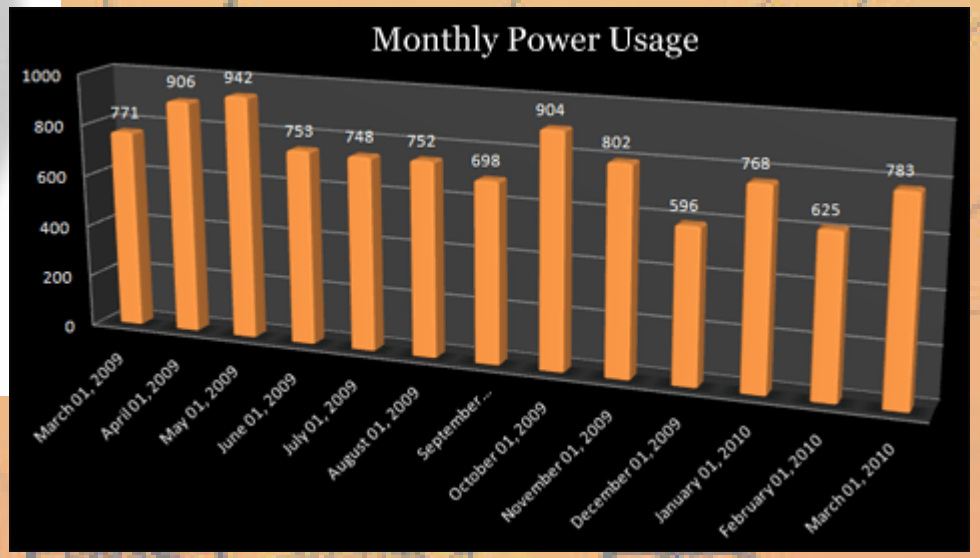
Most power management systems
in the market today log the energy usage
from various meters and
provide detailed reports that include
Bar charts, Pie charts and Line charts
with break up of usage
based on Meter, Region and time.



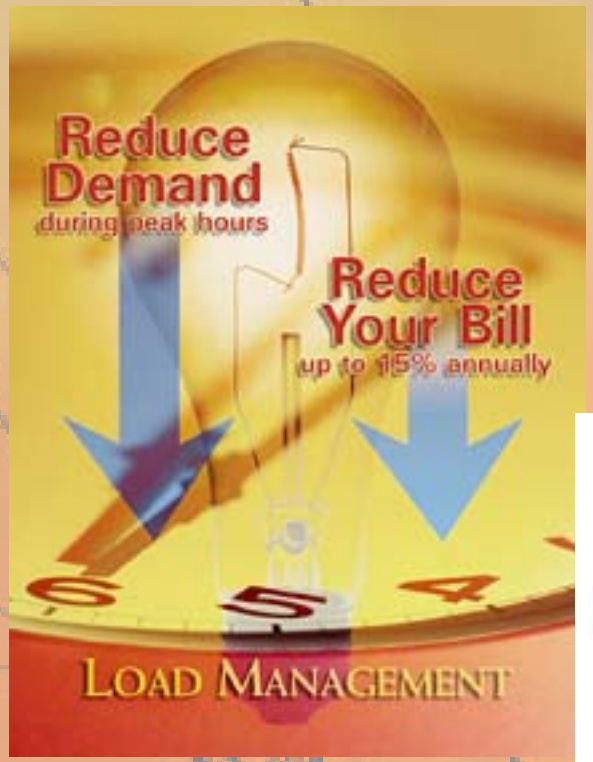


Although these systems allow you to analyze and pinpoint the area and time of peak power usage they do not directly allow reduction of power usage.

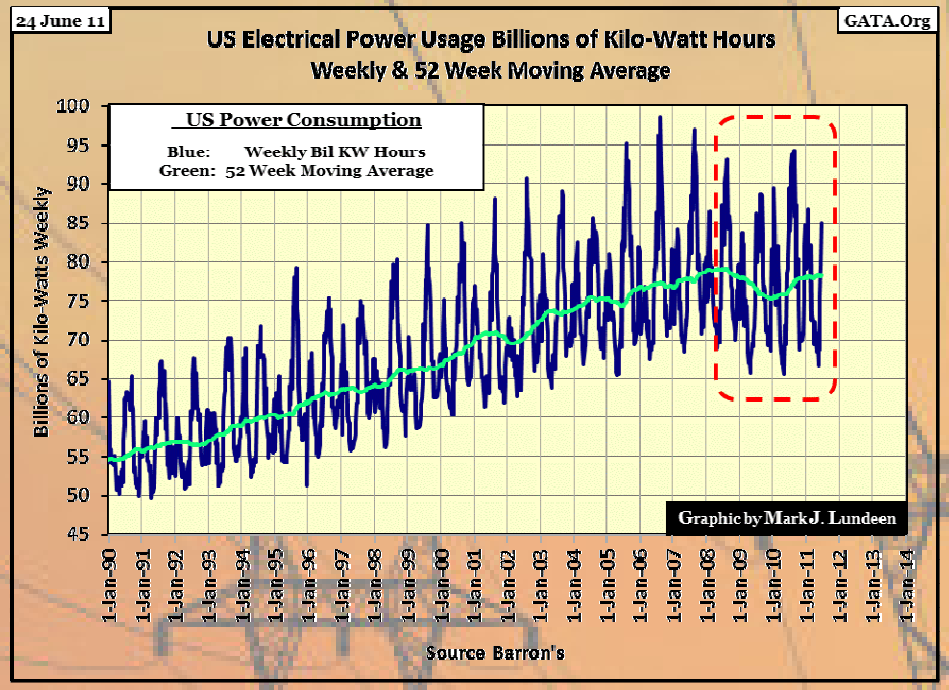


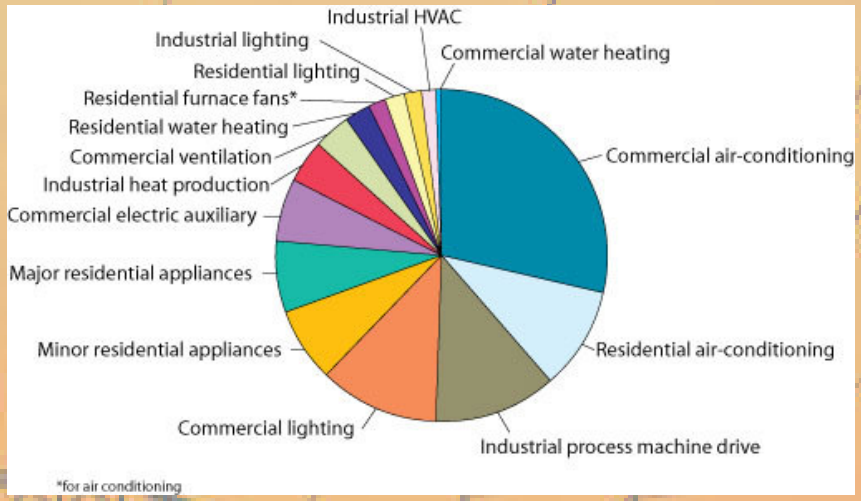


They are basically analytical systems that show the Historical data



The only way to actually reduce power consumption is to formulate and enact some Power Reduction Policy, and again monitor the usage.





G-BOX Offers Real-time Power Usage Reduction Using user Reaction.

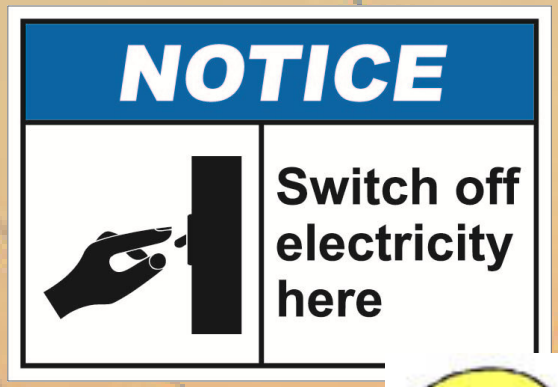
With G-BOX - our solution provides Real-time usage statistics of the power consumption in easy to understand intuitive interface to the people who are responsible for power usage and management, the operators and supervisors on the shop floor.
This data is presented on a LCD or Dashboard.

G-Box.in	Summary	Mar 1 2012		15:40:40
Location	Shift Plan	Actual	Left	Used %
M/C Shop	100	80	20	80
Paint Shop	200	150	50	75
Welding	300	200	100	66
Robotics	400	320	80	80
Admin Light	500	410	90	82
Admin A/C	600	400	200	66
Servers	700	434	266	62

The Management or the supervisors can Set Daily, Weekly and Monthly Power Consumption Quotas for each of the areas or group of areas that are monitored.

G-Box.in	Welding Shop	Mar 1 2012	11:24:30
Shift Plan (Kwh)		Actual (Kwh)	
500		200	
Gap (Kwh)		Power Left (%)	
300		60 %	

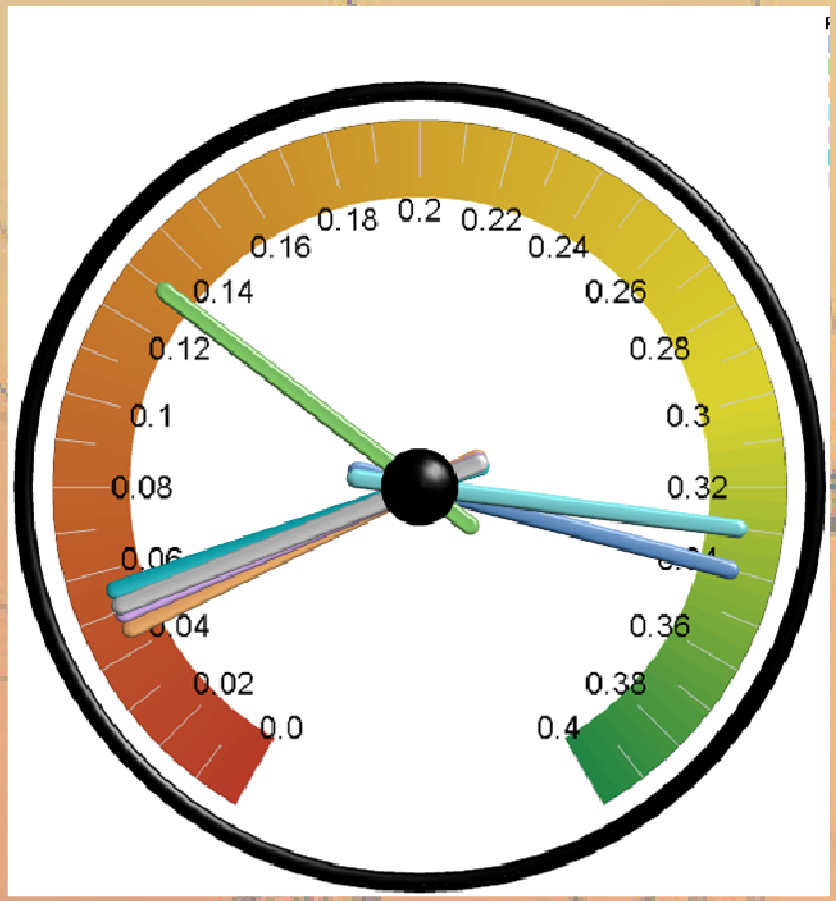
Our system will display this data along with actual real-time power consumption data. This allows operators to see how they are placed in using the power quota.
Our system also displays Hourly Quotas so that people on the floor will be able to see how much power they have left for the hour and decide if they can switch off some unused machinery which is in standby etc.

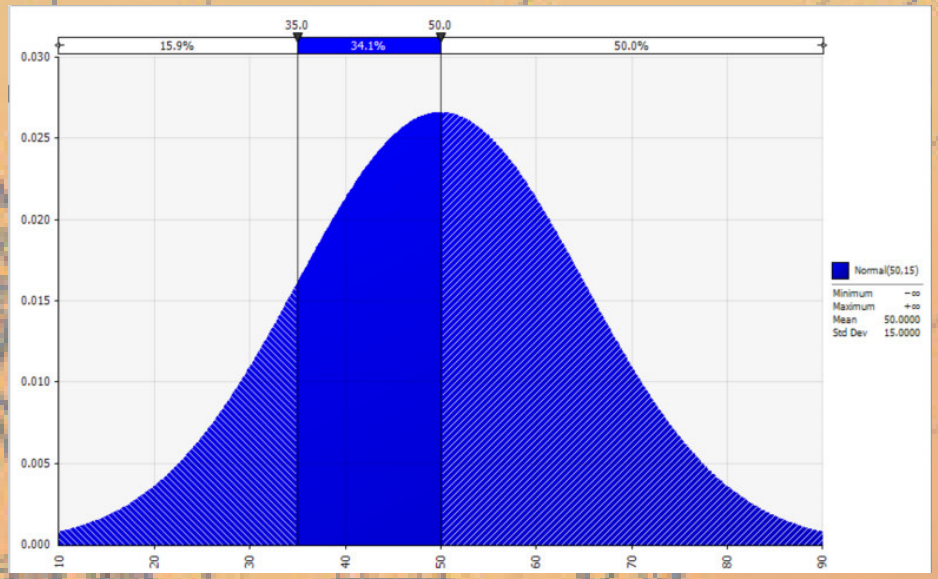


This proactive method of displaying real-time power consumption data allows the operators and supervisors to react instantly and switch off unused equipment and reduce power consumption.

Alarms can be set to flash if there is going to be an over run of hourly quotas.
This is calculated by extrapolating the current average power usage over an hour and matching it with hourly quotas.

You can have specific dashboard for each area being monitored and Summary Dashboards.





Hourly quotas can also be non linear
to match the usage of power during the shift.
So a Shift Quota can be distributed unevenly
over the hours to match the power needs of the floor.

G-BOX Offers
Real-time Power Usage Reduction
And Big Savings


G-BOX Offers
Real-time Power Usage
Reduction
And Big Savings
Call G-BOX today for a demo of the product
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Or email us at info@g-box.in or
sales@factorydisplay.com