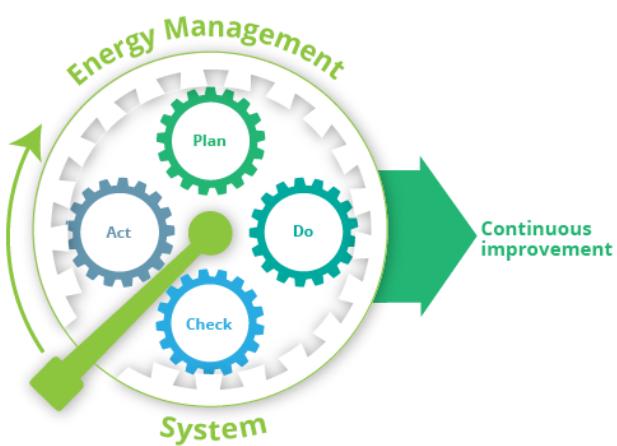# SOLUTIONS UNLIMITED

An energy management system (EMS) is a system of computer-aided tools used by operators of electric utility grids to monitor, control, and optimize the performance of the generation and/or transmission system. The computer technology is also referred to as SCADA/EMS/BMS & Latest Technology is **Deep-View AN IOT** *based system, independent to your internet, has Cloud based storage with live monitoring of Realtime data with Multiple Checkpoint (configurable alarms) with configurable controls. Multiple screen sharing on various mediums like Desktop, laptop, mobiles, IPAD. & most of all your data is so secure as cryptocurrency algorithm. (Blockchain)*

The solution encompasses core of IOT by which we capture data from all your communicable devices (for ex. meters, switchgears, VFDs and other sensors) and transmit them to cloud over blockchain secured protocol. The data can then be analyzed with the help of secured SSL web portal.

Majorly, three kinds of functionalities are available as follows:

❖ *Energy consumption pattern showing consumption from various sources: This is helpful in energy trading as well and to reduce unwanted/ unseen consumption.*

❖ *Comparison of multi-location assets over time: "Motor 1 Vs Motor 2" OR "transformer 1 Vs transformer 2" etc.*

❖ *User customizable alarms to avoid any abnormality in electrical, temperature or vibration profiles of equipment's, that is decremental to the health of any system.*

About DeepView HVAC - Comfort Cooling/Critical-cooling space monitoring & control.

50% - 70% energy of any given commercial building goes to Comfort cooling. Therefore, it becomes an important avenue when a building facilities manager aspires to reduce operational expenses.

We, at Solutions Unlimited, have productized the gamut of activities that are involved in HVAC optimization, particularly for comfort air conditioning. From monitoring and analyzing systems to discovering and implementing various approaches, the entire process can be operationalized or changed from a remote system via the IoT enabled stack - "Deep View for HVAC".
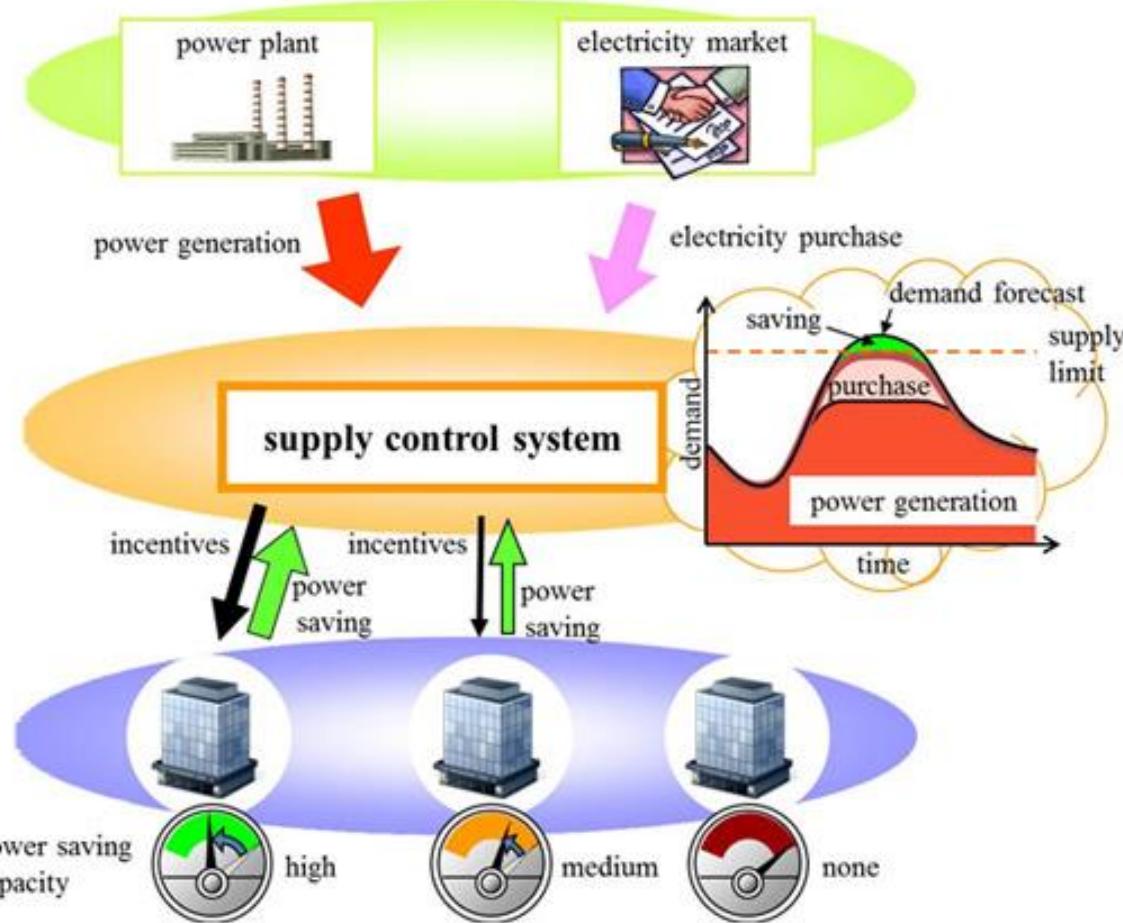
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"Deep View HVAC - Comfort Cooling"

DeepView periodically analyzes system parameters such as energy consumption of chillers, cooling towers, AHUs and pumps along with operational indicators such as temperatures for room, return air, delivery air, water, etc. to provide you with best of approaches to optimize energy in your system.

We do have multiple tools & configurations for control & monitoring to manage your Demand.

DEMAND SIDE MANAGEMENT

Please let us know in case you are interested in further evaluating the solution.

Regards,
For Solutions unlimited

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