

Energy Conservation and Management

Chiller Plant Optimization

We are specialized in providing energy saving solutions and services for existing buildings. Using both the building management systems and room automation systems, and for both new and existing installations, we offer a range of services for conservation and management of energy in buildings.

We would like to highlight on our energy saving solution through chiller optimization that can reduce up to 25% and more of the building electricity consumption

Throughout the GCC region, the air conditioning consumes more than 50% of building total electricity consumption.

More than 80% of the consumed electricity by the centralized air conditioning in a building is spent by chillers and chilled water pumps.

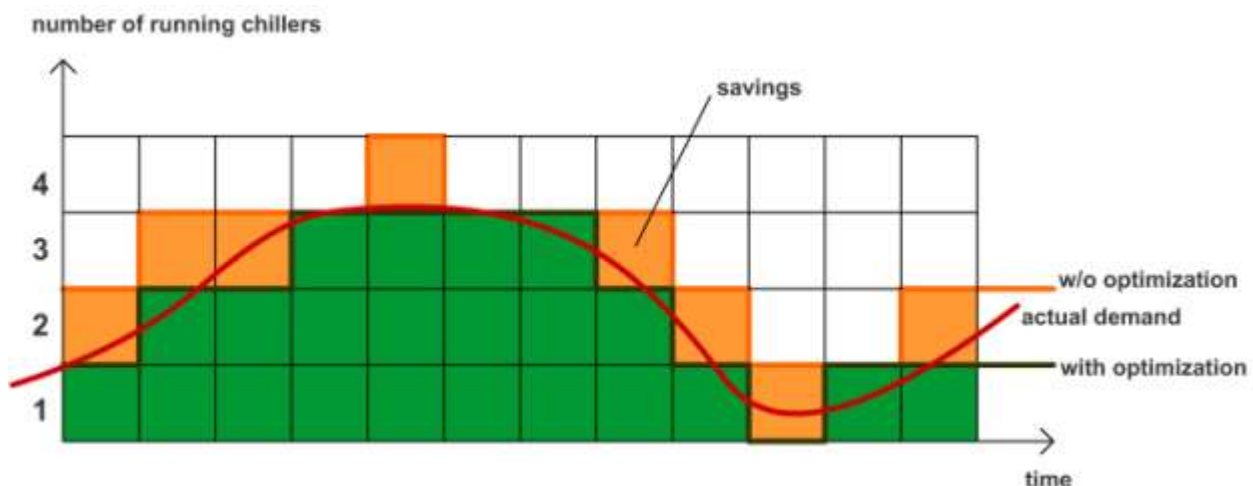
Chillers and pumps are in majority of cases operated in an inefficient way – thus wasting significant amount of energy.

For buildings with chillers, more than 20% of electricity consumption can be saved by just ensuring the efficient control of the equipment.

Solution:

Our services include:

- System study and proposal for energy saving Chiller Plant
- Implementation of Chiller Plant Control
- Ensuring the most efficient control of all equipment in the chiller plant based on actual demand and eliminating all unnecessary waste.



Savings:

Implementing chiller plant optimization can typically reduce its electricity consumption by 20%. In many cases, depending on the exact system configuration, this saving can reach as much as 40%.

The estimated amount of savings will vary for each building and is determined during building inspection. Previous electricity consumption records (Electricity bills) are required.

Investment

The investment is low and ensures quick return – on average one year or less. Actual required investment is determined during the building inspection.

Eligibility:

All types of buildings having chilled water plants.

Implementation

Quick and easy and does not disturb the building occupants.

Return of Investment:

Return of Investment period is on average one year or less, after which the savings will continue.

For more details on our solutions, please refer to information available on our website:

Company profile (PDF):

http://www.bms-technology.com/pdf/BMS_Company_Profile_G.pdf

Green Building Solutions:

<http://www.bms-technology.com/greenbuildings.html>

Green Building Solutions brochure in PDF:

<http://www.bms-technology.com/pdf/GreenBuildings.pdf>

Energy Conservation & Management brochure (PDF):

http://www.bms-technology.com/pdf/B_V1_ECM.pdf

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