

DYNAMIC ENERGY ENGINEERS

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Our Goal

To help businesses efficiently utilize resources of energy and water

Solutions We Offer:

- Walkthroughs and Comprehensive Energy Audits
- Total turnkey energy efficiency & Renewable solutions
- Long term Energy Management contracts & monitoring services
- Energy Performance Contracting (ESCO) – Special Projects
- Energy Management Systems development as per Standards (ISO 50001)

ENERGY AUDIT

In any Organization, the three top operating costs are often found to be energy (both electrical and thermal), labor and materials. Among the three, energy has the highest potential for cost reduction. While efforts are being made to improve availability of various energy sources, there is still a continuing gap between demand and supply of energy. Conservation and efficient utilization of energy resources play a vital role in narrowing the gap between demand and supply of energy. Energy audit will help to understand more about the ways energy is used in the industry, and help in identifying the areas where energy waste is occurring and where scope for improvement exists. Such an audit is conducted with help of instruments as Power Analyzer, Ultrasonic Flowmeter, Flue gas Analyzer, Anemometer, Temperature Sensors, Psychrometer.

Generally audit covers Electrical Motors, Pumps, Lighting, Compressed Air System, Cooling Tower, Boilers, Steam Systems, Furnaces, HVAC & Refrigeration System.

ENERGY EFFICIENCY IMPLEMENTATION CONSULTING/ TURNKEY PROJECTS

After identification of projects in Audit phase Implementations requires further steps.

Techno-Commercial Feasibility study of the project

Product customization as per the requirement

Execution of Project Management.

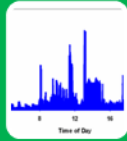
We provide consultancy for all above steps. We also provide turnkey solutions for many of the Energy Efficiency Measures as detailed on next page.

MONITORING & VERIFICATION

Post Implementation of the Energy Efficiency Project there is a need to demonstrate the actual savings from the project. Hence there is need to monitor the energy consumption pre & post Implementation. Using proper Instrumentation and methodologies it is essential to quantify the Savings. After monitoring the consumption savings are calculated accurately against baseline.

ONE / TWO DAY AWARENESS & ENERGY EFFICIENCY TECHNICAL TRAINING FOR PLANT PERSONNEL AT SITE RELEVANT TO PLANT

IMPLEMENTATION SOLUTIONS & TURNKEY PROJECTS WE OFFER



Electrical Systems

1. APFC & Harmonic Filters
2. Max. Demand Indicator & Controller



HVAC & Cooling Towers

1. Waste heat based Cooling - VAM
2. Energy Efficient - Star Rated A/C s
3. Chilling Energy Storage



Thermal Combustion Equipments boilers / furnaces / HWG / TF Heaters

1. Oxygen trim control
2. Waste Heat Recovery



Lighting

1. Energy Efficient LED lighting
2. Lighting Voltage Stabilizers
3. Occupancy Sensor & Lighting Controls



Thermal Accessories

1. Steam Traps & Steam Accessories
2. Hot Surface Insulation
3. Thermal Sensors / Measurement



Solar

1. Solar Photovoltaic Systems
2. Solar PV based Water Pumps
3. Solar heating systems



Pumps

1. Energy Efficient Pumps
2. VFD & VSD for pumps



Biomass

1. Biomass fired Boilers, TF heater, HWG
2. Biomass Briquettes Supply
3. Biomass Gasifier
4. Biomass stoves & cooking



Compressed air system

1. Heat recovery from air compressors
2. Energy Efficient Air dryers
3. Compressed air Pressure Boosters



Waste Management

1. Biogas generation & utilisation
2. STP & ETP based biogas systems



Motors

1. Energy Efficient motors
2. VFDs for motors for various applications



Other

1. Heat less LPG / Propane Vaporiser
2. Energy Efficient Hydraulic power pack
3. Desuperheaters for Chillers

OUR TEAM

Our team consists of certified energy auditors/managers, who are highly qualified and experienced, with successful execution of national and international projects. Prior projects executed in various sectors like hospitality, process industries, textiles, breweries, Automotive, food, steel and many more.

OUR TEAM HAS WORKED WITH THE FOLLOWING ESTEEMED CLIENTS

Uttam Galva Steels, Bhushan Steels, Yeshwant Glucose, Le-Meridien Pune, United Breweries, Bombay Dyeing group, Preci-forge Gears, Visteon Automotive Systems, Sansera group of Industries, Welcast Industries and many more establishments in various industrial sectors.

With Warm Regards,

DYNAMIC ENERGY ENGINEERS