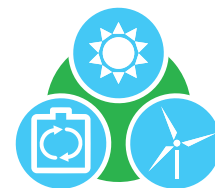




ENERGY EFFICIENCY & MANAGEMENT

DOING THE SAME WITH
LESS ENERGY



GreenEra
ENERGY

ENERGY EFFICIENCY (EE) & MANAGEMENT DOING THE SAME WITH LESS ENERGY

Across all industries, the issue of energy consumption is becoming a serious concern, one must consider energy-efficiency particularly the gap that exists between actual and optimal energy use. Energy efficiency, means using less energy to provide products and services thus reducing operating costs and also a method to reduce greenhouse gas emissions (GHG).

Efficient energy use is achieved primarily by means of a more efficient technology or process. Energy efficient buildings, industrial processes and transportation could reduce the world's energy needs in 2050 by one third, and help controlling global emissions of greenhouse gases. Hence the trend towards decarbonization of energy.

Making homes, vehicles, and businesses more energy efficient is seen as a largely untapped solution to addressing global warming, energy security, and fossil fuel depletion.

HOW TO BECOME AN ENERGY EFFICIENT PROSUMER

- Invest in energy efficient equipment;
- Invest in new process technologies that use less energy;
- Invest in smart technologies to optimize production layouts, logistics and reduce rework;
- Invest in embedded renewable energy i.e. behind the meter solutions;
- Reduce peaks in your energy load demand profile by changing sequence of operations.

BENEFITS OF ENERGY EFFICIENCY & MANAGEMENT

- Reducing operating costs;
- Demonstrates corporate social responsibility;
- Brand value;
- Benchmarking your company against competitors;
- Setting of targets for energy reduction;
- Improvement in production efficiency;
- Developing energy reducing programs that are linked to GHG reduction;
- Compulsory reporting to the D.O.E if you use over 180 TJ per year;
- Compulsory submission of a detailed energy management plan to the D.O.E if you use over 400 TJ;
- Energy security and optimisation;
- Reducing your Carbon Tax Liability;
- Better control over your energy bill;
- Renewable solutions.

An Energy Audit is an effective energy management tool. By identifying and implementing the means to achieve energy efficiency and conservation, energy savings can be achieved and equipment/system life can be extended. The reduction of energy consumed means a reduction in fossil fuels burnt by the power supply company which in turn means a reduction in GHG. All parties concerned contribute to conserve the environment for the future and to enhance sustainable development.