

Senergy Consultants Pvt Ltd

Senergy was formed in the month of January 1990 primarily to provide total solutions for conservation of resources. The resources include electrical and thermal energy (Furnace oil, coal, agro-waste, etc), water as well as renewal energy. The activities not only include comprehensive consultancy but also to extended to implementing various suggestions on turnkey basis. The areas include

- **Electrical Energy:**
 - Transformers and electrical distribution system
 - Motors and drives
 - Mechanical Equipments like pumps, air compressors, fans and blower, refrigeration compressors
 - Distribution & Utilization system for all the utilities including air conditioning, cooling & chilled water, brine, compressed air, etc.
 - Furnaces, ovens and other electrical heating systems
 - Combined Heat and Power (CHP) or Cogeneration systems.
- **Thermal Energy:**
 - Direct fired equipments like boiler, thermopac, furnaces, etc.
 - Distribution, Utilization & Waste Heat Recovery systems for all the utilities including steam, thermic fluid, hot water or air, etc.
 - Process equipments like dryers, evaporators, distillation columns, etc.
- **Renewal Energy:**
 - Solar energy for heating of water, air or even steam generation.
 - Generation of Biogas & manure from organic waste.
 - Agro-waste / Municipal waste as fuel for boiler
 - Power generation through Wind / photovoltaic system.
- **Water:**
 - Water balance and studies to optimizing consumption.
 - Recycle & Reuse through load segregation and effective treatment
 - Rain water harvesting.

The studies can cover

- Energy audit covering all the above areas covering
 - Performance analysis of various machines and equipments.
 - Analysis of specific consumption, energy bills and historical data.
 - Suggestions / Recommendations with techno-economic feasibility analysis.
 - Benchmarking and suggesting methodology for monitoring and verification.
- Implementation support till realization of actual savings.
- Turnkey consultancy for implementation of atypical suggestions.

The monitoring and verification of actual savings is carried out by

- Installing necessary instruments for monitoring the key parameters.
- Establishing baseline consumption before implementation of the suggestion.
- Providing turnkey consultancy for implementation of the suggestion.
- Authenticating implementation.
- Measuring the actual savings by monitoring the consumption.

Key Persons:

Ravindra M Datar (Director) : B tech IIT Bombay 1983

Sandip M Khode (Director) : B E VRC Nagpur 1985

SENERGY Consultants Pvt Ltd

03, Aastha II, Opp Lakme Ltd, B K S Devashi Road, Mumbai 400 088, India

Phone: 91-22-25553297

Email: senergy@vsnl.com

Website: www.senergy-india.com