

Senergy

Total Solutions

To

Optimize Resources

Helping You to Optimize Resources

Philosophy:

Synergy between Our expertise on Conservation of Resources and Your Experience & Knowledge of Process, Operations, Plant Engineering, etc. to Optimize Resources.

Background:

Senergy was formed in the month of January 1990 primarily to provide total solutions for conservation of resources. The resources include all forms of energy (Electrical & Thermal), water, raw material as well as human resources and application of renewal energy. Senergy provides comprehensive consultancy services which can follow with turnkey consultancy for actual implementation and demonstration of savings / gains.

The Organization:

- Team of experts headed by a technocrat from IIT - Mumbai
- Customer Base of over 400 companies
- Repeat orders from over 75% of the Customers
- Empanelled with Government Agencies
- Contributing Rs 50 crores/year, towards Conservation of Resources

Roadmap for Services:

1. Analysis of Historical data and benchmarking
2. Team formation
3. Overview of Process & Operations
4. Data Collection & Analysis - Present status
5. Detailed Study of Potential Areas
6. Concrete Solutions for Savings / Gain
7. Implementation Support
8. Monitoring System
9. Continual Improvement

Professional Fees

Tailored-made & Result-oriented packages for Individual Organization

Resource Optimization Studies

Energy:

- Analysis of Specific Energy Consumption
- Energy Accounting & Balancing
- Study of
 - Energy Consumers / Converters
 - Distribution Systems
 - Utilization systems
- Identification of potential saving areas

Process & Operations:

- Yield / quality improvement
- Performance improvement of Process Equipments

Conservation of Water:

- Water Balance & Optimizing the Usage
- Steps for Zero Discharge Organization through Recycle & Reuse

Renewable Energy:

- Solar thermal systems for water / air heating or steam generation.
- Biogas / Vermi-composting from organic waste / effluent.

Green Building:

- Comprehensive consultancy towards Green Building Certification.

Carbon Credit:

- Identifying the project
- Preparation of necessary documents
- Turnkey consultancy for implementation and realization of actual benefits

Turnkey Consultancy for Implementation:

- Tailor- made support during Implementation of Resource Conservation Projects
- Monitoring of Gains & Suggestions for Continuous Improvement

Achievements at Glance – Energy Optimization Studies

Type of Industry	Industries covered	Annual Bill	Annual Savings	
		Creore Rs	Quick	Total
CHEMICAL Pidilite Industries Ltd Albright Wilson Chemicals (I) Ltd ICI Ltd	70	65	7.60%	15.20%
PHARMACEUTICAL Nicholas Piramal India Ltd Wyeth Lederle Ltd Cipla Ltd	30	35	6.10%	13.80%
DYES & PESTICIDES Sudershan Chemical Industries Ltd Lona Industries Ltd Multi Organics Ltd	50	30	6.90%	16.40%
PAPER Soma Papers & Industries Ltd Jolly Board Ltd	10	15	8.30%	18.30%
TEXTILE & PROCESSING Century Enka Ltd JBF Industries Ltd	60	270	5.20%	9.60%
Commercial Buildings IIT Mumbai KPIT Cummins Ltd Gujarat Sachivalaya Complex	35	25	11.40%	22.60%
FOOD & BEVERAGES Nyanza Bottling Ltd – Tanzania Hindustan Lever Ltd Pepsico India Holdings Pvt Ltd	30	10	9.00%	18.50%
ENGINEERING Advani Oerlikon Ltd Emco Ltd	60	15	8.30%	19.20%
RUBBER & PLASTIC Nirlon Synthetic & Fibre Ltd Star Oxides & Chemicals Ltd	10	10	7.10%	18.10%
Steel Jindal Iron & Steel Company Ltd EBG India Pvt Ltd	15	100	4.50%	7.50%
Glass Ceylon Glass Company Ltd Asahi India Glass Ltd	5	25	4.50%	9.50%
GENERAL GTC Industries Ltd Kores India Ltd Forbes & Company Ltd	75	25	9.40%	20.50%
Total	450	625.0	5.70%	12.10%

Please contact:

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

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