

RESOURCES

- Individuals of Team AMSET have associated in carrying out Energy Audit assignments in variety of establishments.
- Prominent Industries include Cement, Chemicals, Dairy, Paper, Biomass power plants, Forging, Foudry,Tea factories, Textiles, Rubber manufacturing units.
- Prominent Commercial establishments include Hotels [3 star & above], Hospitals, Malls and Shops
- Others include big temple complexes, educational institutes etc
- AMSET Energy has necessary instruments to carry out comprehensive Energy Audits.



RANGE OF SERVICES

- Training / Awareness program on Energy costs-conservation-efficiency
- Energy Audits-Preliminary [walk-through] and Investment grade
- Carbon Advisory - Foot print estimation
- Energy Management-from a Cost management perspective
- Total Cost Management-Process approach-Energy + Material + Wages- Cost of Energy related to other major costs.
- Future Energy- evolution of new Energy technologies
- Excellence in Energy Management-a journey comprising above

ENERGY SHARE AND SAVING POTENTIAL - TARGET ENERGY

Industry	Energy share in Manufacturing cost-range %	Energy saving potential %	Profitability increase %
Aluminium	60--70	15	9
Automobile	9--11	10	1
Cement	35--45	15	5
Chemical	10--15	15	2
Glass & Ceramics	22--25	15	3
Dairy	4--6	20	1
Engineering	8--10	10	1
Foundry	15--20	20	3
Paints	17--19	20	3
Paper	22--25	20	5
Petrochemicals	2--3	15	1
Steel	12--15	15	2
Sugar	2--3	15	1
Textiles	12--15	20	3
Tyre	14--16	15	2
Buildings	Energy Performance Index-EPI-Base kwh/sq.mtr/year	EPI-ECBC complaint kwh/sq.mtr/year	Energy saving potential
Hospitals	605	312	>30%
Malls			
Office buildings/Malls	186	86	> 30%
Institutions	240	98	> 30%
Hotels	Energy Share	Energy saving potential %	Profitability increase %
	10--15% of Room rate	15	3

Energy can be neither created nor destroyed, but it can be wasted

Sensible efforts



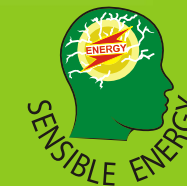
Sustaining benefits

AMSET Energy Systems & Solutions Pvt. Ltd.

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AMSET
Energy Systems & Solutions Pvt. Ltd.

AMSET stands for Agriculture, Manufacturing, Services, Experiential and Transformational. The first three contribute to the current Economies of globe in varying proportions, while the remaining two- Experiential and Transformational are the expected areas which will contribute more to the economies in future.

Energy can be neither created nor destroyed. The sum total of Energy in Universe is always constant. Any economic activity requires Energy in some form as input to result in a desired output and this Energy comes with a cost. Needless to say that lower the costs, better the Business Profits. The competitive landscape is getting ruthless and Organizations with focused approach on Cost management ONLY will survive in the long run. Thanks to the recent developments on account of Environmental concerns due to global warming, Cost of Energy is "controllable" to a great extent compared to other contributors to Cost.

AMSET Energy Systems and Solutions is promoted by Anand Engineering Products Private Limited, a heavy steel Fabricator based out of Trichy, Tamil Nadu, India. Resourced with a team of seasoned Energy Auditors, exposed to Thermal and Electrical space, the focus is on the Energy Efficiency and Renewable areas.

AMSET firmly believes that Energy Management for any Business organization is a journey, increasing the longevity of Organizations and if pursued in disciplined manner, will enhance the contribution to triple bottom line - 3 P's- People, Profit and Planet.



AREAS

Thermal Energy systems

Boilers, Steam systems, Furnaces, Heat Exchangers, Insulation and Refractory, Co-generation, Waste Heat Recovery

Electrical Energy systems

Motors, Pumps, Compressors, HVAC, Fans & Blowers, DG system, Lighting, Transformer, Cabling

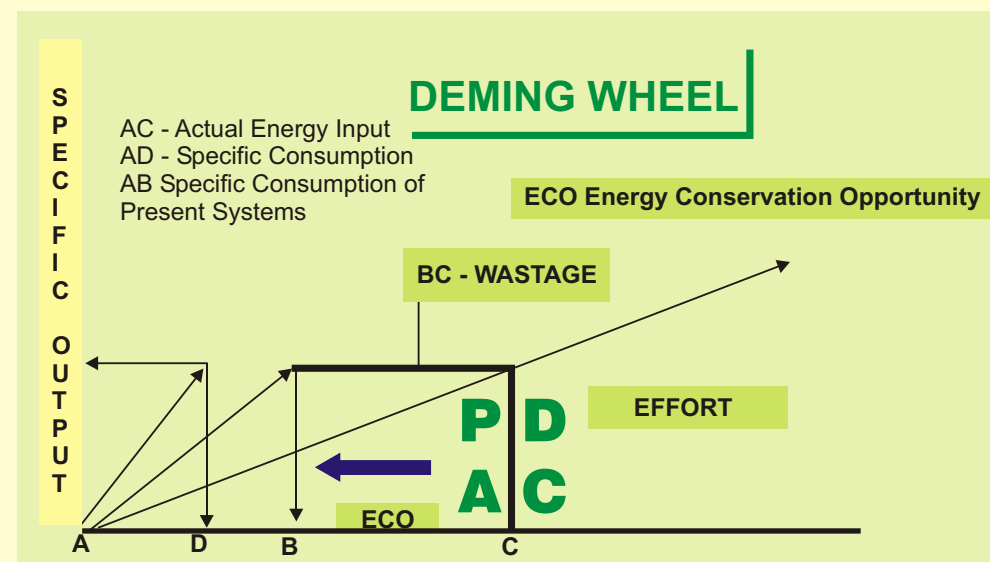
EFFICIENCY OPTIONS

- Reduction of Specific Energy Consumption per unit of Production/Service
- Loss minimization
- Waste Minimization
- Low cost Energy substitution
- Renewable application
- Process savings- Raw Material & Wages reduction

BENEFICIARIES

- Industrial users having sanctioned load > 750kva
- Commercial establishments having sanctioned load > 250kva
- Any Establishment spending > Rs 100 lacs/year on Energy [Fuel + Power]

PDCA IN ENERGY MANAGEMENT



HEALTHY ORGANISATION

