

INDESCO

Industrial Energy Savings Consultancy FZ -LLC

FDRK3196, Compass Building, Al Shohada Road, Al Hamra Industrial Zone-FZ, Ras Al Khaimah, UAE
Phone : +971502628541 Email : narendat@hotmail.com www.industrialenergysavings.net

ENERGY AUDIT SERVICES

We introduce ourselves as Energy Audit Firm. We are enclosing our Brochure for your perusal. We have carried out Energy Audits for more than 500 Organizations in India, Kenya, Tanzania, UAE, Mauritius. We have received Award from Maharashtra Energy Development Agency (MEDA-INDIA) for our Energy Audit Activities. We have Energy Auditors/Managers Certified by AEE-USA & Bureau of Energy Efficiency (Govt of India). We have done Energy Audits both for Industries as well as Commercial Buildings.

After doing Energy audits, we also assist the clients for implementing Energy Saving Schemes recommended by us in our Report. We have experienced experts who can undertake Design/Procurement/Installation for Energy Saving Schemes. Till date almost all our recommendations on Energy Saving are implemented by one customer or the other.

Based on our experience we have seen that usually there is potential of about 10 % for Energy Savings (Electrical/Thermal/Fuel/water) at most of the sites.

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APPROVALS / ACCREDITATIONS

**Approved by MAHARASHTRA ENERGY DEVELOPMENT AGENCY
(GOVERNMENT OF MAHARASHTRA - INDIA UNDERTAKING)**

MAJOR/PRESTIGIOUS CLIENTS

SR. NO.	NAME OF ESTABLISHMENT	LOCATION	ESTIMATED RECURRING ANNUAL ENERGY SAVINGS IN USD
1	Asahi Float Glass (Through Siemens Ltd.)	New Mumbai, India	4,212,000
2	M.S.E.B. (Bhira Hydel Power Station)	Raigad, India	892,000
3	Pfizer Ltd	Thane, (Mumbai) India	102,000
4	Glaxo India Ltd (In-house Audit).	Thane, (Mumbai) India	68,100
5	Alkem Laboratories Ltd.	Silvassa, India	205,722
6	Glenmark Pharma Ltd.	Gujarat, India	68,000
7	Rajaram Sugar Mill	Sangli, India	68,000
8	Tata Motors Ltd.	Pune, India	68,000
9	Henkel Polybit	UAQ, UAE	54,400
10	Novartis Ltd	Mahad, India	52,700
11	Blow Plast Ltd.	Nairobi, Kenya	50,400
12	East African Breweries.	Kenya	45,700
13	Tata Mills	Mumbai, India	38,100
14	Zydus Byk Health Care Pvt. Ltd.	New Mumbai, India	31,300
15	Tata Pharma Ltd. (In-house Audit).	Patalganga, India	27,200
16	Paper Products Ltd.	Thane, (Mumbai) India	7000
17	Essen Steel	Abu Dhabi, UAE	20,400

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SR. NO.	NAME OF ESTABLISHMENT	LOCATION	ESTIMATED RECURRING ANNUAL ENERGY SAVINGS IN USD
18	Tytan Organics	Sharjah, UAE	13,600
19	All Time Plastics Ltd.	Silvassa, India	35,000
20	Siemens Ltd.	Goa, India	13,000
21	Hotel Mercure.	Lavassa, India	13,000
22	Aquarelle Ltd (Garment factory).	Mauritius	12,600
23	BM Beach Resort	RAK, UAE	9,500
24	Tata Chemicals.	Kenya	9,000
25	KCC Dairy.	Nairobi, Kenya	9,000
26	Lodhia Steel.	Tanzania	235,400
27	Coca Cola Ltd.	Tanzania	279,000
29	Thica Road Mall.	Kenya	65,177
30	Alaf Ltd (Aluminum Plant)	Tanzania	145,216

SUMMARY OF SECTOR WISE ENERGY SAVINGS FOR ABOVE INDUSTRIES

SECTOR	ESTIMATED ANNUAL ENERGY SAVINGS IN USD
IRON /STEEL/METALS/GLASS	4613000
PHARMACEUTICALS	496000
FOOD PROCESSING/BEVERAGES/DAIRY	33700
PLASTIC /POLYMERS/PAPER/PACKAGING	92000
CHEMICALS/ PETROCHEMICALS	77000
HOTELS/HOSPITALITY	87000

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PROFILE OF STAFF & ASSOCIATES

AJITKUMAR DATAR

QUALIFICATION

- B.E. (Electrical) I Class - University of Mumbai
- AMIE (Mechanical) - Institution of Engineers (India).
- D.B.M. - Pune University
- Certified Energy Auditor (EA-0729 B.E.E.-Govt of India Approved)

MEMBERSHIP OF PROFESSIONAL INSTITUTE

Corporate Member - Institution of Engineers, India

TRAINING

- Undergone Training on Energy Conservation at Philadelphia - USA under USAID. Program conducted by Synergic Resources Corporation - USA.

POSITIONS HELD

- Manager Engineering Services at GLAXO INDIA LTD. for 8 years.
- Manager Engineering at TATA PHARMA LTD. for 3 years.
- Manager Engineering at INDIAN ORGANIC CHEMICAL LTD. for 1 year.
- Assistant Manager Projects at HINDUSTAN ANTIBIOTICS LTD. for 9 years.
- Head- Engineering at Hotel Ramada Inn Palm Grove-Juhu Beach, Mumbai for 3 Months

PROFESSIONAL EXPERIENCE - ENERGY CONSERVATION

- Effected Recurring Energy Savings of Rs. 50 Lacs / P. A. at GLAXO INDIA LTD.
- Effected Recurring Energy Savings of Rs. 25 Lac / P. A. at TATA PHARMA LTD.
- Prepared Energy Conservation Training Module & implemented at GLAXO INDIA LTD.
- Coordinated Steam / Power Cogeneration Scheme for Energy savings at HINDUSTAN ANTIBIOTICS LTD.(India)
- Carried out Energy Audits for more than 500 Industrial/Commercial Units in India, Kenya, Tanzania & Mauritius/ Madagascar
- Presented Technical Papers on Energy Conservation at various forums like
 - Petroleum Conservation Research Association.
 - Institution of Plant Engineers.
- Published Technical Papers on Energy Conservation in
 - Electricity Conservation Quarterly.
 - Process & Plant Engineering Magazine.
- Conducted various training programs in various industries and engineering colleges.

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NARENDRA DATAR

QUALIFICATION

- B.E. (Mechanical) I Class - University of Mumbai
- Certified Energy Manager (CEM) – AEE - USA
(ID:97300)
- Certified Project Management Professional - (PMP) - PMI-USA
(ID:1649961)

MEMBERSHIP OF PROFESSIONAL INSTITUTE

Association of Energy Engineers (AEE) - USA

POSITIONS HELD

Industrial Energy Savings Company, India/UAE for 2 Years

Construction Manager - MEP at Voltas Ltd, Dubai, UAE for 8 years

Construction Manager - MEP at China State Construction Engineering Corporation ME LLC, Dubai, UAE for 5 years

Maintenance Engineer at Electro Cooling Est, Abu Dhabi, U.A.E for 2 years

PROFESSIONAL EXPERIENCE - ENERGY CONSERVATION

- Certified Energy Manager associated with Industrial Energy Savings Company (India) for carrying out Energy Audits of various industries. Currently based in UAE for conducting Energy Auditing activity in UAE and GCC regions. Have conducted Energy Audits in India, UAE, Mauritius for Industrial & Commercial facilities.
- Extensive experience in the MEP Construction & Energy Projects such as District Cooling Plants, High Rise Towers (Residential & Commercial), Hotels, Malls for MEP Coordination, construction project management, design & build. Involved in Monitoring & maintaining energy efficiency in Operation and Maintenance of HVAC systems (Air Cooled/water cooled chillers, Chilled water pumps, Cooling Towers, Air handling units etc) for various residential /Commercial buildings/industries to optimize the performance and energy usage.
- Have been associated with various International Contractors in UAE in the field of MEP Projects, Operation & Maintenance, Energy Efficiency/Energy Management.

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DR. M. G. GHARPURE

QUALIFICATION

- PhD -Chemical Engineering - IIT Mumbai
- M. Tech -Chemical Engineering - IIT Mumbai
- B Tech -Chemical Engineering - IIT Mumbai
- Certified Energy Auditor (EA-1135 B.E.E.-Govt of India Approved)

POSITIONS HELD

Proprietor at M/S Yajna Fuel Services, India since 1986

PROFESSIONAL EXPERIENCE

- 1985-86 – Associate consultant, Sigma Consultant Pvt. Ltd - Energy
- 1984-86 – Director, See Tech Solutions Pvt. Ltd., Safety, environment & energy management co.
- 1992 – Director, Golden star Technical Services Pvt. Ltd., Manufacturers of heat pipes.
- 2004 – Director, Sterling Strips Ltd. Manufactures of Boilers.
- 2005–Certified Energy Auditor. Member jury committee MEDA (Maharashtra Energy Development – Agency)
- 2014 – Director, Gasifpower Tech Pvt. Ltd.
- 2014 – Director, Nalern Technologies Pvt. Ltd.
- 2016 - Visited as International Expert to Vietnam for conference organized by UNIDO to Identify need of training of boiler manufacturer to improve on field efficiency by providing affordable instruments

PROFESSIONAL EXPERIENCE & ACHIEVEMENTS IN ENERGY

CONSERVATION

- Conducted Energy Audits for over 250 Industries Locally (India) and International - Pakistan, Sri Lanka, Saudi Arabia, UAE, Muscat, Tanzania, Kenya, Mali, Togo etc.
- Successfully Designed & Implemented:
 - Fuel switch over projects from liquid fuels to briquette fired (biomass) system for steam boilers at 50 locations. Waste Heat Recovery, Vapor Absorption System based on Process Waste Heat
 - Producer gas plants for Acetic Acid, Aluminium melting etc.
 - Multiple effect systems for high concentration solids and zero discharges systems.
 - Brick lined high Thermal mass based small Incinerators with induced draft for many industrial facilities. Combined cycle power plant on producer gas purified producer Gas (Under Development)

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MISCELLANEOUS

- Resource person – Energy, SAARC, 2013
- Resource person -Energy Bureau of Energy Efficiency (India), 2009
- Member of MEDA Committee (India), 2006
- Approved Consultant-Energy GEDA, PCRA (India), Up to 2000
Guest speaker – Energy RCF, ONGC & Engineering Colleges

KRISHNUDU NALLA

QUALIFICATION

- Master of Technology (Energy Systems)- IIT Mumbai
- B.E (Mechanical , Production& Industrial)-India
- Certified Energy Manager (CEM) – AEE - USA (ID:95045)
- Certified Measurement & Verification Professional (CMVP) - AEE-USA (ID:5574)
- Certified Energy Auditor (EA-1468, B.E.E. - Govt of India Approved)
- Certified ECBC (Energy Conservation Building Code) Expert- B.E.E. - Govt of India
- IRCA Approved EnMS Lead Auditor – ISO 50001:2011

MEMBERSHIP OF PROFESSIONAL INSTITUTE

Association of Energy Engineers (AEE) - USA

POSITIONS HELD

Owner at M/S GIF Tech Solutions, India, since 2004

PROFESSIONAL EXPERIENCE - ENERGY CONSERVATION

- Conducted Energy Audits for over 100 Industries Locally(India) and Internationally-Kenya, Tanzania, Thailand, Kingdom of Saudi Arabia, Mali, Togo & Democratic Republic of Congo.Experienced in Industries as well as Commercial facilities.
- Vast Experience in auditing Industrial facilities in various sectors such as Cements, Glass, Plastic, Paper plants, Iron & Steel, F&B, Pharmaceuticals, Power plants, Petroleum & Petrochemicals, Forging Industries, Sugar Mills etc.

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SURESH KUMAR

QUALIFICATION

- BTech- Chemical Engineering from Calicut University
- Certified Energy Auditor (EA-2582, B.E.E Govt of India Approved)

PROFESSIONAL EXPERIENCE - ENERGY CONSERVATION

- Have Conducted Energy Audits for over 250 Industries (Large Scale & Medium Scale)
- Carried Energy Audits and implemented Energy Conservation Projects at various industries under M/s. Yajna Fuel Services(India) and with M/s Eco Energy Solution,(India). Has over 28 years of experience in Energy Auditing.
- Experienced in auditing Industrial facilities in various sectors including Chemicals, Agro Based, Tiles manufacturing, Iron & Steel, Plastics, Pharmaceuticals etc
- Have Designed and commissioned Single Effect and Multiple Effect Evaporators, Solid File/ Fired Boilers and various Heat Recovery Systems
- Participated in Energy Audit Implementation Program in various Industries.