



COMPANY PROFILE

iSPARK Supporting Solutions Pvt Ltd.,
#102, Kambar Street, Kamalam Nagar, Thirumullaivoyal, Chennai- 600 062
www.smartispark.com



The Vision

WE SHALL “MEASURE”, “DERIVE” & “MASTER” THE ENERGY

Our Vision to practice & advocate the tenet of “**SUSTAINABLE DEVELOPMENT**” which makes us responsible & accountable to “*Meeting the needs of most energy starving people to meet their energy needs*”.



iSPARK Support Solutions Pvt Ltd.,

Ignites your mind...

What does Spark ignite?

The place where your creativity is ignited. We not only provide you a creative insight into technology, but also guide you through the ways and methodologies of manifesting them into real-time usage: reality of IT & IT enabled services.

Spark-ignition model:

- Training modularized to meet individual capability.
- Know-how methodologies for easy understanding.
- Creating the necessity to quench the need of current Technologies.
- Creative structural approach based on real-time working Environment.
- Well-organized internal Customer relationship Management aimed to achieve 100% accuracy within the Service Level, thereby increasing client credibility in delivering new projects.

iSPARK Supporting Solutions Pvt Ltd.,

#102, Kamar Street, Kamalam Nagar, Thirumullaivoyal, Chennai- 600 062

www.smartispark.com



OBJECTIVE

The objective of this Preliminary Energy Audit, sometimes referred to as a “Walk Through Audit”, is primarily to assess the viability of implementing an energy efficiency upgrade of the facility using energy contracting prior to investing extensive resources in procuring an Energy Performance Contract (or Energy Performance Related Payment), including a subsequent Investment Grade Audit, for a project which is not commercially viable.

This objective will be achieved by:

- Identifying a suitable energy performance indicator for existing and target energy use to quantify the potential for energy savings. This also help assess the impact of the energy conservation measures in achieving this potential and provide a sense-check of calculations.
- Identifying a suite of measures, including savings and implementation budget, which together are of sufficient scale and combined payback to create a financially viable project suitable for implementation as a single package of works. Where appropriate, non-energy savings, such as water or maintenance, will also be quantified.



- Identifying essential client requirements to be incorporated in the works (such as replacement of windows). Savings and implementation budget figures will be provided.
- Identifying other benefits, including renewal of plant which has reached end of life or resolution of comfort issues. These may need to be quantified.
- Identifying additional metering and recording requirements, including any environmental conditions that are likely to be required for a baseline should the measurement and verification of savings be necessary. The associated installation budget will be included.
- Identify any potential technical, financial or other risks to the project as currently defined.

Benchmarks

The term “Benchmark” is used here to reflect a comparison of this facilities existing and projected energy use (i.e. when energy saving measures proposed herein are implemented) with industry norms. Benchmarks give an indication of existing performance, the potential for further savings and a sense check for the overall savings that this audit has identified.

ENERGY AUDIT

Energy Auditing is the process of by which the gap of Power supply & demand may be reduced by Demand side power management (DSM) i.e. Energy Conservation and Energy Efficiency improvement. The gap can also be reduced by developing alternative sources of energy, which is a costly alternative. The cost of Energy is increasing substantially and Energy Efficiency is the only solution as it fulfills:

- Your Interest - By enhancing bottom line and minimizing waste
- National Interest - By reduction of import of petroleum products & fuels
- Global Interest - By reduction of GHG emissions & global warming

iSPARK develops smarter solution with connected technologies and solutions to manage energy and process in ways that are safe, reliable, efficient and sustainable. We invests in R&D in order to sustain innovation and differentiation, with a strong commitment to sustainable development.

“iSPARK” is an energy centric organisation involved in Generation (Renewable), Measurement & Efficiency enhancement, automation, conservation of energy. Our focus is towards greener & cleaner

iSPARK Supporting Solutions Pvt Ltd.,

#102, Kamar Street, Kamalam Nagar, Thirumullaivoyal, Chennai- 600 062

www.smartispark.com



economy with three dimensional approach viz Generation of power from renewable sources, manufacturing of world class energy monitoring devices and Energy Audit Services. Our Manufacturing facilities are located in Chennai,Coimbatore and other parts of the country. We are specialized in the following activities:

- Energy Audits
- Investment grade audits
- Building Environmental testing
- Auditor and Systems Maintenance training
- Lighting Design
- Heating, Ventilating, AC Design
- Cogeneration Systems Design
- Controls Design
- Energy Management

The Process

Once we enter into an outsourcing relationship the process is:

- One of our field Engineer would be visiting your premises to gather all sort of energy needs and better utilization of load.
- The Supervisor monitors the site Engineer from remote and guide with the details collected from the onsite to create a simulation sample.

iSPARK Supporting Solutions Pvt Ltd.,

#102, Kamar Street, Kamalam Nagar, Thirumullaivoyal, Chennai- 600 062

www.smartispark.com



- The data collected from onsite is fed to the server for benchmarking, which should provide the suggestions and alternatives for the conservation plan.
- The auditors determine the maximum possible ways to reduce the energy consumption which will undergo a Quality Check to deliver 99% accuracy.
- The Quality Audit Team does the final Quality Check to ensure 99% accuracy before uploading the files to the customer.

Advantages of iSPARK Smart solutions:

- **Standards:** We have highly skilled resourceful Engineers who work with the standards earmarked by BEEE and other Energy auditing companies. Our auditors are certified professionals whose competency is par to the international standards. Their qualifications teamed with fluency in the language makes the work easier and the quality of results delivered is high.
- **Cost Savings:** The auditing procedure is simplified with modern technologies and it is par with the global industries. We can offer highly competitive services at your wish.
- **Turn-Around-Time:** Turn around time is critical in this industry. We can provide quality service with out affect in TAT. We have furnished the TAT-table for our existing clients.

Work Type	Turnaround Time
-----------	-----------------



History and Physical	8 hours
Operative Report	8 hours
Discharge Summary	12 hours
Status Report	within 4 hours

Test Data

You may send feedback, without any obligation, to us to check our quality, accuracy and turn-around time. The arrangements for test data can be made at a short notice of 24 hours by sending e-mails at **“audit@smartispark.com”**



Training Services

iSPARK training helps you to build dynamic awareness of self, people and environment, enabling a powerful sense of being and creating new pathways of harmony and excellence. The Training program provides an opportunity for participants to draw upon their own experiences and integrate them with the cutting edge transformational technology of business communication, enabling them to make choices for their growth and well being.

Purpose:

- Resolve limitations that inhibit their growth.
- Release latent energy trapped in past experiences.
- Build dynamic acceptance within.
- Express healthily and competently in all areas of life.
- Build powerful resources for future.
- Impact whole systems, family, company, society and environment.

iSPARK Training is a simple skillful method to explore how the brain works; how people think, feel, learn and motivate themselves and others; how people interact with others and how to make choices and achieve goals.

iSPARK Supporting Solutions Pvt Ltd.,

#102, Kamar Street, Kamalam Nagar, Thirumullaivoyal, Chennai- 600 062

www.smartispark.com



- Energy Audits
- Investment grade audits
- Building Environmental testing
- Auditor and Systems Maintenance training
- Lighting Design
- Heating, Ventilating, AC Design
- Cogeneration Systems Design
- Controls Design
- Energy Management

Our standards and certifications are with:

- BEE Accredited ESCO (Under Ministry of Power, Govt of India).
- PCRA empanelled Energy Audit agency (Under Ministry of Petroleum and Natural Gas, Govt of India).
- HAREDA empanelled Energy Audit agency.
- BEE Accredited Energy Auditors & Designated Energy Audit Agency (DEnA).
- BEE Certified Energy Auditors & Managers (Under Ministry of Power, Govt of India).
- IRCA, UK approved Lead Auditor for ISO 50001 (Energy Management System).

iSPARK has developed a unique, consistent methodology to deliver outstanding quality and timeliness of response to its clients, efficiently integrating its workforce with clients' organizations. We

iSPARK Supporting Solutions Pvt Ltd.,

#102, Kamar Street, Kamalam Nagar, Thirumullaivoyal, Chennai- 600 062

www.smartispark.com



are providing assistance on critical issues, supporting special requirements, as well as tracking and reporting project status.

iSPARK's value proposition is quite compelling, with extremely competitive costs (estimated savings of over 50%).

We offer execution and management solution to our client requirements integrated with application services needed to execute these custom defined jobs.

Speed, accuracy, and reliability - the cornerstones of the iSPARK approach to back office and transaction processing services. The team consists of professionals with experience in a diverse range of vertical domains, back office processes and process migration. Stringent standards of quality and compliance ensure consistent and timely delivery of output.

The company has the objectivity and mix of technical and human resources necessary to solve complex information systems problems. Our software development, consulting and training centres are based at Chennai - the key IT market in India.

Our focus is on building long and deep relationships with our clients, and we view ourselves as a strategic extension of their capacity and not as an external agency. We are committed to building scalable and repeatable business solutions ensuring customer success.

iSPARK Supporting Solutions Pvt Ltd.,

#102, Kamar Street, Kamalam Nagar, Thirumullaivoyal, Chennai- 600 062

www.smartispark.com



We provide HR services for several corporates and MNC's in India and around the world. At present our client locations includes corporates in

- India
- Singapore
- Malaysia
- UK
- States
- Middle East

We look forward for building an alliance with your organization and would like to understand your requirement to provide the services to you.

Kindly provide us your requirements and we will provide you the best of services.

- Access to Energy
- Access to Energy Collective Solutions Access to Energy Home Systems
- Automation and Control
- Building Management and Security
- Critical Power & Cooling Services
- Cybersecurity Solutions



- Electrical Distribution
- Installation Systems and Control
- Medium Voltage Distribution and Energy Automation
- Operations, Business and Market Intelligence
- Smart Grid
- Solar
- Wind Power



COMMUNICATION ADDRESS

iSPARK Supporting Solutions Pvt Ltd.,

#102, Kambar Street,
Kamalam Nagar,
Thirumullaivoyal,
Chennai- 600 062
Phone No : 9600076067

Mail us @ audit@smartispark.com

www.smartispark.com

iSPARK Supporting Solutions Pvt Ltd.,
#102, Kambar Street, Kamalam Nagar, Thirumullaivoyal, Chennai- 600 062
www.smartispark.com