



TURNING PARTNERSHIPS
INTO INTEGRAL
SOLUTIONS

ENERGY DIVISION



Service Brochure

www.triskylink.com



WHO WE ARE

We are an energy service company (ESCO) accredited by the Department of Energy (DOE). We provide energy consulting services and deliver energy solutions suited and appropriate to the stakeholders. Our group is comprised of engineering professionals widely experienced, knowledgeable, and skilled in the power industry.

CORPORATE ROADMAP



Vision

To become the leading corporation in the Philippines that is reliable and innovative, catering to the needs, requirements and demands of the domestic energy stakeholders.



Mission

Create a better everyday life for many people by providing appropriate energy solutions through innovative, effective, and practical energy consulting services.



Core Values

Thoroughness

We take ownership in our work and thus, take great care and attention to details. We unflinchingly meet high standards in what we do and in how we do it. We delight in both product and service excellence.

Reliability

Our track record has made us reliable in terms of accuracy and product honesty. As a reliable entity, we take pride in being worthy of the trust and confidence not only of our customers but also of our stakeholders.

Integrity

Professional and personal integrity is paramount to our organization. Hence, we achieve our goal by being honest and straightforward with all our stakeholders.



WHAT WE DO

We provide energy management consulting services including energy audit and energy efficiency work program. In its core, we conduct electrical engineering consultancy services, we likewise help in identifying, analyzing, and detecting electrical system faults and problems in electrical facilities.

Depending on customer's goals, we deliver customized solutions without compromising on quality, reliability, functionality, and financial cost of projects.

CORE COMPETENCIES

Our strategic advantage and corporate strength come from our qualified professionals with analytical abilities, problem-solving skills and are exceedingly capable in the following areas:



Energy Management (ISO 50001)



Energy Efficiency Improvement



Electrical Engineering Services



Utility Billing Analysis



**Power Procurement
for Utilities & End-Users**



**Operations & Management
for Distribution Utilities**



**Power System Analysis/Reliability &
Power Quality Improvement**



**System Loss Management
for Distribution Utilities**



**CAPEX Planning
for Distribution Utilities**



Technical Studies

SERVICE MENU

Capitalizing on unparalleled industry knowledge and experience, flexibility, and responsiveness to our customers' business needs, we commit to provide the following consultancy work:

ENERGY CONSULTING SERVICES

Energy Audit

Energy Management

Energy Savings Partnership Program

Utility Bill Analysis

Power Procurement for End-Users

Energy Load Profiling & Analytics

Training Program

- How to Comply with RA 11285: Energy Efficiency and Conservation Law
- How to Prepare Energy Consumption Reports (RA 11285 Compliance for Industrial/Commercial Sector)
- Ways to Reduce Energy Costs and Improve Energy Efficiency
- Demystifying ISO 50001: Energy Management System
- Developing Energy Efficiency Programs

DISTRIBUTION UTILITIES (DU) CONSULTING SERVICES

System Loss Management

Power Procurement for Utilities

CAPEX Planning

Technical Studies

- Distribution Impact Study
 - Distribution Asset Study
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Training Program

- Power Quality Solutions
- System Loss Management
- Understanding Power Purchase Agreement

ELECTRICAL SERVICES

Thermographic Inspection

Electrical-As-Built Plan

Power System Analysis

Power Quality Solutions

Capacitor Bank Testing & Assessment

Grounding System Audit

Electrical Facility Maintenance Program

Training Program

- Information Security and Project Management (ICT)
- Enterprise Risk Management

ENERGY CONSULTING SERVICES

SERVICE DESCRIPTION



ENERGY AUDIT

The energy audit service involves two types of energy audit procedures, namely: Type 1 (Walk-Through Audit or WTA) and Type 2 (Energy Diagnosis). The third type of energy audit, which is the Investment Grade Audit (IGA), can be done separately if the customer intends to make huge investment in energy efficiency projects.



ENERGY MANAGEMENT

This premium service is focused on developing an Energy Management Program that will provide organizations with a roadmap to ensure optimum and sustainable energy procurement, energy utilization, and energy efficiency improvement

Scope of Work

- Development of Energy Management Program for optimum and sustainable energy procurement and utilization, and minimize energy costs/wastes without affecting business objectives
- Energy procurement forecasting and optimization
- Monthly tariff analysis and billing review
- Planning and setting targets for energy efficiency measures
- Managing energy consumption of high consuming equipment and process/production line
- Demand Management
- Installation of an Energy Management System (EMS) to monitor and manage energy use

This service is guided by Certified Energy Managers (CEM) to help customers in the planning and implementation of an Energy Management Program and Certified Measurement and Verification Professionals (CMVP) to establish measurement and verification plan to ensure that energy performance and savings measurement adhere to international standards.



ENERGY SAVINGS PARTNERSHIP PROGRAM

We all know that businesses are always motivated to find ways to reduce operating costs and improve operational efficiency to ensure profitability and sustainability in the long term. Electricity cost is always a major contributor of recurring operating expense for most businesses. Hence, a periodic review of your electricity bills should be an integral part of your business strategy. In fact, you would be surprised with the potential savings from just conducting a simple electricity billing analysis. On average, our customers can save around 5-15% of their monthly electricity bills.

This is where we can help you! Our advocacy is to help empower customers like you to improve your business competitiveness through practical, innovative, effective, and sustainable energy solutions, products, and services.

Given our vast experience in the power industry, we would like to offer you a risk-free comprehensive electricity billing analysis to make sure that you optimize your tariff and pay the lowest possible price for your electricity. This service is totally free. We only charge you a portion of the savings that will be generated as a result of our collaborated initiatives. Bottom line is, we don't get paid until we save you money. We also want to establish and commit a long-term partnership with you that is based on trust and integrity.



UTILITY BILLING ANALYSIS

Electricity billing analysis is a comprehensive and detailed review of the customer's historical electricity bills from the previous twelve (12) months to detect meter reading errors, rates that are not in accordance with the service contract, metering misapplications by the utility, clerical errors in bill computations and incorrect factors applied by the utility. The billing review service shall cover evaluation of energy usage, energy demand, contracted capacity and utility rate structure. Through this activity, we can help identify zero-cost saving opportunities that would lower electricity cost.



POWER PROCUREMENT FOR END-USERS

Our experts review and evaluate Power Purchase Agreements (PPA) covering all commercial and technical terms between seller (Generation Companies or Retail Electricity Suppliers) and buyer of electricity (End-User or Customer). This consultation service includes analysis of the electricity consumption profile, matching of optimal supply profile (baseload, load following or peaking), and determining the most appropriate tariff structure that will provide least possible cost to customers. Other non-price items such as outages, force majeure events, replacement power and operating protocols are also reviewed to ensure reliability and quality of power supply.



ENERGY LOAD PROFILING & ANALYTICS

Energy-load profiling and analytics provides a better understanding of energy consumption behavior of customers. Knowledge of consumption patterns will help guide customers in identifying appropriate strategies to reduce energy cost and effectively implement energy efficiency programs and Demand Side Management (DSM). This will also help customers accurately forecast future energy requirements.



TRAINING PROGRAM

The following list of training program aims to educate employees and help companies build a culture that will support innovation, sustainability and business competitiveness:

- How to Comply with RA 11285: Energy Efficiency and Conservation Law
- How to Prepare Energy Consumption Reports (RA 11285 Compliance for Industrial/Commercial Sector)
- Ways to Reduce Energy Costs and Improve Energy Efficiency
- Demystifying ISO 50001: Energy Management System
- Developing Energy Efficiency Programs

DISTRIBUTION UTILITIES (DU) CONSULTING SERVICES

SERVICE DESCRIPTION



SYSTEM LOSS MANAGEMENT

Our seasoned experts will provide guidance in strategic planning, energy loss accounting, evaluation, analysis, loss targeting and goal setting, developing and operationalizing appropriate loss reduction measures. Our experts have been involved successfully in reducing losses of the largest distribution utility in the Philippines.



POWER PROCUREMENT FOR UTILITIES

Our experts review and evaluate Power Purchase Agreements (PPA) covering all commercial and technical terms between seller (Generation Companies) and buyer of electricity. This consultation service include analysis of the electricity consumption profile, matching of optimal supply profile (baseload, load following or peaking), and determining the most appropriate tariff structure that will provide least possible cost to customers. Other non-price items such as outages, force majeure events, replacement power and operating protocols are also reviewed to ensure reliability and quality of power supply.



CAPEX PLANNING

Our expert's help craft CAPEX plan applications with the Energy Regulatory Commission (ERC) that follows the Utility Planning Manual, ensure that all projects are timely, appropriate, necessary, and cost-efficient; and that capital projects are consistent with relevant government regulations such as the Distribution Development Plan (DDP), Philippine Grid Code (PGC), Philippine Distribution Code (PDC), and other relevant government issuances.



TECHNICAL STUDIES

Our utility experts can conduct Distribution Impact Study (DIS) and Distribution Asset Study (DAS) for Embedded Generators (Conventional and VRE). The DIS refers to a set of technical studies which are used to assess the possible effects of a proposed expansion, reinforcement, or modification of the distribution system or a user development and to evaluate significant incidents. The DAS is performed to determine all required distribution assets and costs necessary to accommodate the proposed interconnection of an Embedded Generators (EG) to a distribution system.



TRAINING PROGRAM

The following list of training program aims to educate employees and help companies build a culture that will support innovation, sustainability and business competitiveness:

- Power Quality Solutions
- System Loss Management
- Understanding Power Purchase Agreement

ELECTRICAL SERVICES

SERVICE DESCRIPTION



THERMOGRAPHIC INSPECTION

We identify abnormal or unexpected thermal patterns or temperature differentials in the electrical and mechanical systems of a facility through a non-contact and non-destructive inspection method. Findings can be used to identify and prioritize preventive and predictive maintenance programs.



ELECTRICAL-AS-BUILT PLAN

We craft electrical as-built plans (single line diagram) for customer electrical facility. As-built plans help document any changes made during construction of the facilities or other revisions that may have been performed. Updated electrical as-built plans are crucial for troubleshooting, efficient operation, and future expansion of customer electrical facility.



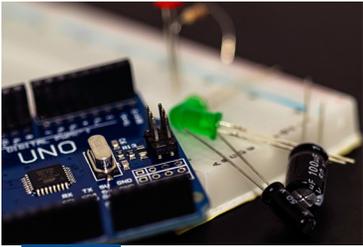
POWER SYSTEM ANALYSIS

Our seasoned experts will provide guidance in strategic planning, energy loss accounting, evaluation, analysis, loss targeting and goal setting, developing and operationalizing appropriate loss reduction measures. Our experts have been involved successfully in reducing losses of the largest distribution utility in the Philippines.



POWER QUALITY SOLUTIONS

We assess the power quality of electrical facility by recording and analyzing actual electrical parameters to enhance power supply and equipment compatibility. Power quality assessment and investigation are key activities to help better protect equipment, enhance performance, extend equipment life, and most importantly ensure good power quality. Our experienced Energy Specialists will help industrial and commercial customers determine root cause(s) of equipment and process downtimes, recommend solutions, and implement cost effective and practical solutions.



CAPACITOR BANK TESTING AND ASSESSMENT

Capacitor bank testing and assessment is performed to determine the health and status of existing capacitor banks in the customer facility. Results of the assessment will show the necessary and cost-effective rehabilitation or upgrade required to reach a target power factor improvement and associated costs.



GROUNDING SYSTEM AUDIT

We ensure that proper grounding system is in place for end-user's facility. Proper grounding is essential to the safe and satisfactory performance of a power system. Proper grounding ensures [1] low-impedance path for the return of fault currents, so that an overcurrent protection device can quickly clear the circuit, [2] low potential difference between exposed metal parts to avoid personnel hazards, and [3] voltage control.



ELECTRICAL FACILITY MAINTENANCE PROGRAM

Depending on the type of commercial and industrial customers, we can develop, design and implement a maintenance program to meet the business needs and requirements of the facilities. This maintenance program will ensure the adequacy, reliability, efficiency and quality of power supply to electrical equipment and facilities.

Scope of Work

- Field audit and survey of electrical facilities
- Creation of As-built Single Line Diagram, if necessary
- Conduct of Power System Analysis, if needed
- Development and design of a wholistic annual maintenance program
- Carry out the annual maintenance program



TRAINING PROGRAM

The following list of training programs aims to educate employees and help companies build a culture that will support innovation, sustainability and business competitiveness:

- Information Security and Project Management (ICT)
- Enterprise Risk Management

We don't just settle for good

In our effort to serve our partners better, we persevere to bring premium energy solutions a project might ever need under one roof. To maintain the quality of our products, we continually strive to improve it with constant research and testing.

Every transaction, better than the other

Our primary concern is to give a precise advantage to our clients. Consequently, our highly qualified personnel will be there to provide professional and competent objective advice in addressing specific requirements. Whether you're downtown or around the country.





Together with our partners, we are expanding our horizons

As an energy service company that delivers energy solutions, Tri-Sky Link gives its partners a competitive edge through its circulation efficiencies using its bespoke supply chain infrastructure anywhere in the country.

Customer service at its best

The value of professional systems and objective advice is all too often undervalued in today's modern environment. Our team will always be ready to deal with your enquiries promptly and efficiently. This team of trusted professionals is committed to fully understanding your business, its needs, goals, and strategies.

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