EnergySolve International

EnergySolve International is an integrated resource management and technical consultancy company. It maintains the tradition of management and technical excellence, integrating its strategic partners' exceptional capabilities in providing technical assistance and support for a wide variety of sustainable development related topics.

November - 2018

About Us | Our Team

- Energy consultancy and building service provider
- Over 10 Years of industry experience
- A project portfolio of over 75 sustainable projects throughout the world
- Part of a group of sustainable development specialists from across the world
- Member of the **United States Green Building Council**, **EDGE Expert** & **LEED Proven Provider**

MAHENDRA JAYALATH
B.Sc(Eng),Dip.EM,C.Eng.,FIET,FIESL,MACE, LEED AP Accredited Energy Auditor
Sr. Energy Consultant & CEO

Mahendra S Jayalath is a senior energy efficiency consultant and a ***LEED*** accredited professional with over twenty years of experience including eight years of project management experience, working on a wide range of energy efficiency and infrastructure projects. He has extensive developing country experience, primarily in Asia. His areas of expertise include the development of green building and certification, energy efficiency program implementation and ESCO activity development. He is also experienced in consensus building and training. Client experience includes the USAID, Asian Development Bank, World Bank and private sector companies.

Chinthaka Jagodaarachi
M.Sc.(SEE), B.Sc.Eng(Hons), AMIE(SL)
Director - Sustainable Design Development

Prashan Perera
BEng(Hons), LEED AP, PMP, GREENSL ® AP
Director - Sustainable Project Implementation

Udayanga Marawanagoda
B.Sc.Eng(Hons), AMIE(SL)
Head of Building Services

Koliya Perera
B.Sc.Eng(Hons), AMIE(SL), GREENSL ® AP, Green Globe Accredited Auditor
Lead Engineer - LEED & Other Sustainability related Certification

Rukshan Rathnayaka
B.Sc.Eng(Hons), AMIE(SL)
Energy Efficiency Engineer - ELV Solution Development

Nadeesha Tennakoon
B.Sc.Eng(Hons), AMIE(SL)
Design Engineer - Building Services - Mechanical

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B.Sc.Eng(Hons), AMIE(SL)
Engineer - Building Services / EDGE Expert

Daksina Wijesinghe
B.Sc.Eng(Hons), AMIE(SL), GREENSL ® AP
Engineer - LEED & Other Sustainability Projects

Prageeth Senanayake
B.Sc.Eng(Hons), AMIE(SL)
Engineer - LEED & Other Sustainability Projects

Sanjeewani Jayasekara
B.Sc.Eng(Hons), AMIE(SL), IEEE
Design Engineer - Building Services - Electrical

Rajitha Manage
B.Sc.(Accountancy), CSBA (CA), MAT (SL)
Chief Financial Officer

Darshan Jayalath
Business Development & Marketing Manager
Green Globe Auditor

OUR VISION

Our vision is to be the prime sustainable solutions provider by delivering innovative and integrative solutions.

OUR MISSION

Our mission is to accelerate economic and environmentally sustainable development by providing knowledge bases services to our valuable clients.

LEED PROVEN PROVIDER

Excellence In Design For Greater Efficiencies
Edge

GREEN GLOBE

U.S. GREEN BUILDING COUNCIL MEMBER

www.energysolveint.com

Our Services | LEED & Sustainability Services

LEED

LEED, or Leadership in Energy and Environmental Design, is the world's most widely used green building rating system. It is available for virtually all building types. The LEED framework is designed to create healthy, highly efficient and cost-saving green buildings. LEED certification is a globally recognized symbol of sustainability and managed by the United States Green Building Council.

EDGE

EDGE (Excellence in Design for Greater Efficiency) Is an innovation by the IFC and was made to cater towards particular demographics in third world countries. EDGE makes it faster, easier and more affordable than ever before to build and brand green. EDGE reveals the systems and solutions that work best for your climate, bringing international cache to your certified project without losing the local context at a cost effective budget.

Green Globe

The Green Globe certification standard is a structured assessment of the sustainability performance of travel and tourism businesses and their supply chain partners. Businesses can monitor improvements and document achievements leading to certification of their enterprises' sustainable operation and management.

M&S Plan A

M&S Plan A was launched in 2007 by Marks & Spencer and was made as a means of meeting the growing demand for a sustainable framework within the apparel industry. It is a business plan, designed to equip entities with the means to achieve success in a resource constrained world.

GREENSL® Rating System

The Green Building Council Sri Lanka (GBCSL) offers the valuable opportunity to respond positively to the greatest challenge of the day. It is a voluntary scheme where designers, builders and owners can achieve recognition for their valuable interest to build green.

ISO 50001

ISO 50001 is based on the management system model of continuous improvement which is also used in other standards such as ISO 9001 or ISO 14001. This makes it easier for organizations to integrate energy management into their overall efforts to improve quality and environmental management.

Our Services | Building Systems Engineering

The operational efficiency of your building is set by the parameters of its building systems engineering and the quality of its internal environment. *EnergySolve* embraces the latest technologies to improve performance and sustainability. Using advanced modelling techniques we can analyze the building envelope and its floor layouts. The systems we specify on your behalf are then integrated into the building fabric, to create functional internal spaces and balanced, controllable conditions.

- **Sewer System**
- **Steam Production & Distribution System**
- **Compressed Air System**
- **Fire Detection & Protection Systems**
- **Escalators & Elevators**
- **Onsite Renewable Energy**
- **Hot Water Production & Distribution**
- **Swimming Pools**
- **Medical Gas**
- **LPG Systems**
- **Fuel Supply & Distribution Systems**
- **Fire Protection & Special Suppression Systems**

- **Air Conditioning & Mechanical Ventilation System**
- **Electrical Power & Lighting System**
- **Lightning Protection System**
- **Water Supply & Drainage System**
- **Rain Water Harvesting System**
- **Storm Water Management System**
- **Prime & Backup Generatoration Systems**
- **Electrical Power and UPS Systems**
- **Escalators and Elevators**
- **Extra Low Voltage (ELV) Systems**
- **Raw Water Treatment Systems**
- **Cold & Process Water Distribution Systems**

Our Services | Facility Audits & Other Services

Energy & Water Auditing

EnergySolve is equipped with a wide range of skills and equipment necessary to conduct a comprehensive audit of any facility. And through the analysis of the accumulated data EnergySolve is capable of providing a detailed analysis and plan of rectification into any excess wastage.

Thermography Auditing

Thermography auditing can be used to detect multiple thermal anomalies without causing any disturbances to the target system. This process can also be used for the detection of air conditioning leakages and the dispersal of heat from windows, unsealed doors, poorly insulated connections and bad building envelopes.

Third Party Commissioning

Our third party commissioning services and management will provide control of every aspect of building by verifying and ensuring that your building is designed, installed, and calibrated to operate as intended. We offer a comprehensive set of commissioning services in addition to which clients can request an enhanced commissioning if needed.

Due Diligence Services

The Due Diligence service that we provide will include a systematic review and analysis of a property that is to be purchased, rented or leased. This assessment will be carried out as a third party verification in order confirm that all physical aspects of the building conform to the client's requirements.

Building Simulation

Our building simulations will extend to but not limited to Energy modeling, lighting simulations and airflow analysis. This will provide the ability to make informed choices between the building's initial design or retrofit solutions by weighing the cost and benefit of various scenarios. Also documentations can be carried out to conform with the requirements of Green Building Certification Schemes, such as Leadership in Energy & Environmental Design (LEED).

Lighting Design Services

Exterior and Interior lighting systems are designed to meet aesthetic, ergonomic and energy efficiency while illuminating the spaces. Our lighting designs services cover a wide range of sectors including the hospitality, commercial, industrial, residential and hospital sectors. Lighting calculations and graphic presentations are provided through our expertise in software such as DIALux, AGI32, and Lumen Designer.

Revit Design Services

EnergySolve performs Revit MEP to model mechanical, electrical and plumbing systems in complex building systems. Revit MEP solutions can be provided in a fast and accurate in creating the complex construction details from any basic concept design. Our services are designed to provide the highest quality MEP solutions through 2D and 3D modeling of machines, plant rooms and distribution networks in buildings at an economical rate.

Our Client's & Sectors

Countries

- Sri Lanka
- New York
- Maldives
- Bangladesh
- Pakistan
- India
- Vietnam
- Myanmar
- UAE
- Egypt
- China
- Indonesia
- Thailand
- Africa
- Kenya
- Botswana

Sectors

- Corporate
- Apparel
- Hospitality
- Residential
- Warehousing
- Retail
- Pharmaceutical
- Laboratories
- Mixed Development

Key Projects | LEED

Brandix Eco Center - Sri Lanka

Bureau Veritas Consumer Product Services Lanka (Pvt) Ltd. - Sri Lanka

Chena Huts - Sri Lanka

Aarah Resort - Maldives

Plummy Fashions - Bangladesh

Fashion Garment Ltd. - Vietnam

Vintage Denim Studio Bangladesh

Taiga Apparel - Pakistan

Amava Apparel - Myanmar

Platinum Projects

- Brandix Casualwear Ltd - Sri Lanka
- MAS Thuruliya - Sri Lanka
- Vintage Denim Ltd - Bangladesh
- Bureau Veritas - Sri Lanka
- Fashion Garments extension - Vietnam
- Plummy Fashions - Bangladesh
- Island Business Centre - Sri Lanka
- Taiga Apparel - Pakistan
- UHM Ltd - Bangladesh

Gold Projects

- CKT (Pvt) Ltd - Sri Lanka
- Brandix Centre for Inspiration - Sri Lanka
- Jay Jay Childrenswear Lanka - Sri Lanka
- MAS Active - Sri Lanka
- HNB, Nittambuwa - Sri Lanka
- Brandix Active Wear (Pvt) Ltd - Sri Lanka
- Hela Clothing - Bangladesh
- TAV - Vietnam
- Cape Weligama Resort - Sri Lanka
- Fashion Garments 2 - Vietnam
- Kenpark 1 - Bangladesh
- Kenpark 2 - Bangladesh
- Kenpark 3 - Bangladesh
- Kenpark 4 - Bangladesh
- Kenpark 5 - Bangladesh
- Kenpark 6 - Bangladesh
- Expressway Service A - Sri Lanka
- Expressway Service B - Sri Lanka
- Jay Jay Mills Extension - Sri Lanka
- Aitken Spence Printing - Sri Lanka
- Rockland Distillery - Sri Lanka
- Artistic Milliners - Pakistan
- Viyellatex - Eco Couture - Bangladesh
- VALTEX - Bangladesh
- HSBC, Colombo - Sri Lanka
- SQ Celsius - Bangladesh
- AKH ECO Apparels Ltd - Bangladesh
- Expo Brand Packs - Sri Lanka
- Viyellatex - Eco Fab - Bangladesh
- Osman Interlinings Limited - Bangladesh
- Aspire Garments Limited - Bangladesh
- Regency 1 Ltd - Bangladesh
- Regency 3 Ltd - Bangladesh
- Wisdom Attire - Bangladesh
- Ananta Apparels - Bangladesh
- Divine Garments Ltd - Bangladesh
- Vintage Denim Apparels Ltd - Bangladesh
- Negombo Beach Resort - Sri Lanka
- Fashion Garment 2 - Bien Hoa - Vietnam
- Concord Manufacturing Ltd - Sri Lanka
- ABA Fashions Ltd - Bangladesh
- Snowtex Outerwears Ltd - Bangladesh
- Sublime Greentex Ltd - Bangladesh
- Vietnam Garments Pvt Ltd - Vietnam
- Pimki Apparels Ltd - Bangladesh

Silver & Other Projects

- Vocational training Centre - Sri Lanka
- Ulagalla Walawe Resort - Sri Lanka
- Univoque Garments - Bangladesh
- Asia Siyaka Warehouse - Sri Lanka
- Artistic Garments - Pakistan
- Jay Jay Mills, Mathara - Sri Lanka
- Biera Environmental Solutions - Sri Lanka

Key Projects | MEP

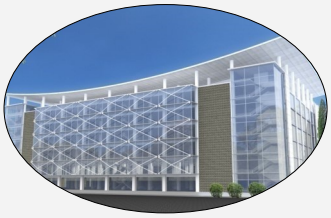
Royal Holliday & Resort
Sri Lanka

Two Union Squire Building
Sri Lanka

96 Apartments Development
Sri Lanka

Capital Twin Peaks - Sri Lanka

DIRD Composites - Bangladesh



Meghna Green Complex
Bangladesh

DEKKO Garments - Bangladesh

Aarah Resort - Maldives

Agami Fashions Ltd
Bangladesh

MEP Projects

- ABA Fashions Ltd - Bangladesh
- Pimki Apparels - Bangladesh
- Executive Greentex Ltd - Bangladesh
- Khantex Fashions Ltd - Bangladesh
- Paramount Soft Winding Unit - Bangladesh
- Metro Knitting & Dyeing Mills Ltd - Bangladesh
- Khantex Fashions Ltd - Bangladesh
- Paramount Soft Winding Unit - Bangladesh
- Pakiza Knit Composite Ltd - Bangladesh
- Interloop Ltd - Pakistan
- Heritance Hotel - Sri Lanka
- Hilton Hotel, Yala - Sri Lanka
- Avani Fares - Maldives
- Z Messenger (Pvt) Ltd - Sri Lanka
- ABA Head Office - Bangladesh
- Keels Super Market , Gampaha - Sri Lanka
- Keels Super Market , Akuregoda - Sri Lanka
- Mixed Development for LTL Land Development (Pvt) Ltd - Sri Lanka

Our Partners

EnergySolve is now a conglomerate with specialists from all facets of the industry. Our key associates are listed below.

EnergySolve Engineering

Energy Conservation

Environmental Design

Architect

Engineers

Engineering

IT & Business Consultant

Lighting Consultant

EIA Consultant

Lighting Design Studio

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