

GREEN ENGINEERING TECHNOLOGIES (PVT) LTD.



At Green Engineering Technologies (PVT) Ltd, we are making the world a cleaner, safer place and also it is our primary concern and the business. We are committed to provide our customers with the most effective and efficient Natural Source Energy solutions, Renewable Energy Solutions, Industrial, Commercial Controlling systems, Automation solutions and many more.

“Innovative Solutions for a Cleaner Tomorrow”

GREEN ENGINEERING TECHNOLOGIES (PVT) LTD.

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"The whole of science is nothing more than a refinement of everyday thinking."

Sir Albert Einstein

What is green engineering?

Green engineering is the design, commercialization, and use of processes and products, which are feasible and economical while minimizing

- 1) Generation of pollution at the source
- 2) Risk to human health and the environment.

Green engineering embraces the concept that helps to protect human health and the environment can have the greatest impact and cost effectiveness when applied early to the design and development phase of a process or product.

Designers & Engineers, who want to lower the emissions of their products, develop devices that consume less energy, create viable renewable energy technologies, or better understand the global ecosystem need green engineering. Green engineering is the use of measurement and control techniques to design, develop, and improve products, technologies, and processes that result in environmental and economic benefits. While green may be the focus today, performing green engineering is fundamentally no different than any other type of engineering innovation.

First, you need to measure the variables with which you are concerned, and then you can begin the process of designing or "fixing" products and processes that achieve your desired goal. Green engineering encompasses common measurements such as power quality and consumption; emissions from vehicles and factories, such as mercury and nitrogen oxides; and environmental data, including carbon, temperature, and water quality.

We at Green Engineering Technologies (PVT) Ltd utilize green engineering by providing measurement, automation, and design tools that empower engineers and scientists to first quantify and understand real-world data and, second, correct problems by designing and developing the next generation of products and technologies with improved efficiency and reduced environmental impact.

Principles of Green Engineering Technologies

- Engineer processes and products holistically, use systems analysis, and integrate environmental impact assessment tools.
- Conserve and improve natural ecosystems while protecting human health and well-being.
- Use life-cycle thinking in all engineering activities.



- Ensure that all material and energy inputs and outputs are as inherently safe and benign as possible.
- Minimize depletion of natural resources.
- Strive to prevent waste.
- Develop and apply engineering solutions, while being cognizant of local geography, aspirations, and cultures.
- Create engineering solutions beyond current or dominant technologies; improve, innovate, and invent (technologies) to achieve sustainability.

Company profile

At Green Engineering Technologies (PVT) Ltd, we are making the world a cleaner, safer place and also it is our business. We are committed in providing our customers with the most effective and efficient Natural Source Energy solutions, Industrial and commercial controlling systems, automation solutions building management systems and air conditioning systems and many more.

Sustainability is inherent in our products and services. From concentrated, solid formulations to innovative designs and implementing methods, our products and services are designed to help increase efficiency , emissions , noise generation and integrity with the goal of lowering the use of petroleum based energy generation and to reduce the chemicals and waste released to the environment. Strengthened by the expertise of our associates and combined with our dedication to social responsibility, these offerings provide value to our customers and the global economy – and help foster a more sustainable world.

Green Engineering Technologies was founded on innovation and technology. These pillars carry us into the future of renewable resources as a leader in solar power production, Wind power generation, Industrial Automation and Facility Management as we expand our service sectors.

Green Engineering Technologies today reflects a collaboration of numerous significant forces. Over the past few years, we recognized and manipulated the perfect storm that created a fundamental shift in the source of fuels for the future. We identified the opportunity and possessed the vision to understand the impact that distributed scale renewable energy generation technology would have on the world.

With the available resources today in the modern world we developed and refined the technology we use today to produce power form the natural energy sources. These Eco-friendly processes are what set Green Engineering Technology apart and makes us the leader in power generation based on natural sources.



Green Engineering Technologies (PVT) Ltd is a respected leader that takes our responsibility to the communities we serve seriously. We promote the well-being of our associates, our customers by contributing to programs, projects and initiatives that enhance quality of life in the communities in which we work and live our lives.

Solutions We Offer You

Green Engineering Technology (PVT) Ltd is committed to protecting the environment. This commitment is fulfilled by incorporating sustainable principles and environmentally responsible practices into the company's administrative, power generation methods and construction operations throughout the company. Fundamentally, this responsibility leads to individual actions that enhance human health and foster a transition toward sustainability.

Key business areas

1. Solar power
 - On grid power generation
 - Off grid power generation
 - Street lighting systems
 - Water pumps
 - Hot water systems
 - Land & Marine Navigation applications
 - Remote station power generation
2. Wind power
 - On grid power generation
 - Off grid power generation
 - Pump applications
3. Water based power systems
 - Underwater turbine power systems for marine vessels
4. Wind & Solar hybrid power systems
 - On grid power generation
 - Off grid power generation
 - Street lighting systems
5. Emission controlling systems
 - Stac CO2 monitoring
 - Smoke density monitoring
 - SOX, NOX CO monitoring
 - Flu gas temperature monitoring
6. Heat recovery systems
7. Instrumentation & process control
 - SCADA
 - Building management systems
 - Pump control systems
 - Fuel control systems
 - Telemetry systems
8. Lightning protection systems
 - Industrial and residential applications



9. Fire detection systems

- Fire alarm control panels
- Smoke detectors
- Heat detectors
- Flame detectors

10. Plumbing & drainage

- Water treatment
 1. RO plants
 2. UV sterilizers
 3. Sand filters

- Pump installation work
- Installation of sanitary fixtures

11. Residential and commercial lighting control systems

- Dimming control
- Switching control Lighting control panels

12. Industrial and residential air condition and ventilation systems

13. CAD , Consulting & Civil Construction work

We all at Green Engineering Technologies believe in.....

Care and Respect

People's well-being and safety are always our number one priority. We support people in achieving work-life balance. We seek environmentally sustainable solutions.

Disciplined Entrepreneurship

Our "can do" attitude and innovation, combined with disciplined thinking and action are keys to our success.

Integrity

We are honest and fair in all our dealings and behave in ways that build trust

Leadership & Teamwork

Our people are the source of our success. Our leaders' role is to inspire and empower our people to develop and perform at their best also, We proactively share knowledge and resources and work together to deliver the best overall result for Green Engineering.



Research & Development at Green Engineering Technologies

Innovation concerns the introduction of new ideas, goods, services and practices. Most sub-sectors in this sector outline are ready to enter the market. They have passed the demonstration stage and are now in the market introduction phase. This means that the practical application rather than the technology itself is new. Some very promising developments still in the R&D phase include:

- Hybrid vehicle
- Solar Powered passenger vehicle
- Energy efficient cooking stove technology (Patent pending)

Renewable energy encompasses technologies at all stages of development. Some, such as wind power or hydro-electric, are mature and well-researched. Research and development has a vital role to play in finding new clean technologies, as well as improving existing ones.

Our R&D division is continuing its task by conducting the following in a timely manner maintaining efficiency, integrity and safety of the tested technologies.

- Energy system design and modification
- Testing and evaluation
- Deployment

Optimal design and implementation of renewable energy systems requires knowledge of the resource characteristics at any given location. We at Green Engineering Technologies continuously cooperate with local agencies such as *Bureau of Meteorology, Central Environmental Agency* of Sri Lanka and also with education institutes including *University of Moratuwa* and *University of Colombo*.

We research include but not limited to assessing the annual wind patterns in the South East Asian region, collecting information on temperature, humidity, pressure changes and etc. These data are used for climate change studies, energy system designs, research, renewable energy conversion system testing, and more.

At our company we always welcome people with bright ideas, innovative thinking styles also people who want to create something new or modify an existing design for an increased efficiency.

If you think we can help you with your idea or design or a new concept related to energy generation based on natural resources please feel free to contact one of our company associates at the Research & Development division on research@greenlk.com and we will be more than happy to discuss with you further.



Careers at Green Engineering Technologies

Come and work with us to make this planet greener and cleaner

At Green Engineering Technologies, we are committed in providing sustainable futures. This is best evidenced in the solutions we offer, Eco friendly designs as well through our involvement in the communities in which we operate and the initiatives we have undertaken in employee safety and wellbeing.

From an operations perspective, Green Engineering Technologies is able to deliver significant environmental solutions, savings and initiatives through the design, delivery which benefits the environment and the communities in which we operate.

We understand that our people are fundamental to our success. As we continue to enhance our operations across the region, we strive to develop our team and recruit people of the highest caliber and experience, who are leaders in their field.

Green Engineering Technologies is fast paced and provides excellent opportunities for growth and development in your career.

All employment at Green Engineering Technologies is offered on the basis of merit. Employees and applicants alike are treated and evaluated according to their job-related skills, qualifications, experience and abilities.

All of us at Green Engineering Technologies believe in.....

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Current Opportunities

- Electrical Engineers
- Site supervisors
- Plumbers & Fitters
- CAD Operators
- Electricians
- AC Technicians

If you are interested in a career with Green Engineering Technologies please submit a cover letter & your resume to careers@greenlk.com with two non related persons for referencing purposes.

Green Engineering Technologies (PVT) Ltd is an equal opportunity employer