



Power Engineering Services

Services & Products



Renewable Energy Systems

Backup & Portable Power Sources

Power Systems Design

Battery Recovery & Recycling

Energy Reduction Strategies

Estimates & Surveys

Consumer Query Investigations

Duracool Refrigerants



Power Engineering Services
Marisule, Opposite Glace Motors
Phone / Fax: 450-8600

Website: www.powerengineeringservices.org
Email: service@powerengineeringservices.org

What is Power Engineering Services All About?

Power Engineering Services (PES) is a Saint Lucia based company geared and committed towards Energy Conservation. The company first started operations in 1993 providing a range of consultancy services in the areas of Electrical Installations and Power Systems Design.

With the recent radical increases in energy prices and the resultant paradigm shift affecting large and small consumers alike, PES was re-launched in 2003 to serve the community and wider region with a new focus on providing Renewable Energy solutions. The health of the environment is at the forefront of our goals. To this end we encourage and facilitate the use of Bio Diesel and Flex fuels and also promote use of Hydrocarbon Refrigerants as a more efficient alternative that is also better for the environment.

Renewable forms of Energy Offered at P.E.S.

Solar Energy

Solar Energy is energy which is obtained by the constant bombardment of photons from the sun on the earth's surface.

A very finite amount of energy from the sun hits our planet (around a hundredth of a millionth of a percent) and is still enough to meet all our power needs many times over. Every minute, enough energy arrives on the Earth's surface to meet our demands for a whole year - if only we could harness it properly.

We at P.E.S can install a solar panel system which can supply your entire household efficiently.



DURACOOOL 22a, replacement for R22



DURACOOOL 12a, replacement for R 12, R134a



DURACOOOL SEALQUICK



DURACOOOL SYSTEM SEAL



DURACOOOL DURADRY



DURACOOOL OIL CHILL



Universal Recharge Kit



Energy Saving Bulbs





To Order Call: 450-8600



Wind Turbines

Wind Energy

Wind is caused by the uneven heating of the earth's surface by the sun. Since the earth's surface is made up of various types of land and water, it absorbs the sun's heat at different rates. During the day, the air above the land heats up more quickly than the air over water. The warm air over the land expands and rises, and the heavier, cooler air rushes in to take its place, creating winds. At night, the winds are reversed because the air cools more rapidly over land than over water.

Today, wind energy can be used to generate electricity. The offshore winds can spin wind turbines thus producing power. This form of energy can be harnessed for power.



Electrical System Backup

When an electrical power failure occurs, it brings a certain level of discomfort. Vital information can't be accessed on the computer, lights are not functional and cooling devices are unable to operate.

For this reason many find it necessary to have a backup system. Our custom design backup solution ensures a smooth transition from utility power to standby power. Power outages will now be more manageable and the effects on your equipment shall be significantly minimized. This is important when sensitive equipment such as computers are being used alongside heavy equipment.



Portable Power Sources

Whether it is a fishing trip or an assignment that takes you away from civilization we guarantee you a solution that provides clean reliable power. You can now host parties or complete assignments practically anywhere imaginable. Take along one of our solar panel kits and you are guaranteed electricity day and night



Solar Panels



Inverters



Deep Cycle Batteries

Energy Reduction Strategies

Energy reduction is the foundation of P.E.S. We can dramatically decrease your electrical bill by installing one energy saving method or device. By installing several of these measures, you can realize a decrease of 50% on your monthly electrical bill. These energy saving devices include, the low wattage light bulbs, the DURACOOOL refrigerant, solar or wind powered systems and timers.

Power Systems Design

Power Systems Design is basically the calculation of the various wire sizes for building, which will be carrying different currents. It also entails the installment of different safety devices for the building, for example, breaker switches.



Battery Recovery

Imagine having to purchase a battery for your vehicle every 7 years!!! This has been proven and is being done presently for numerous satisfied customers.. We can restore a failing battery near its original capacity. This process can be repeated, however the battery must first be diagnosed by a P.E.S technician for a minimal fee before recovery is considered.



Duracool Refrigerants

Duracool Refrigerants are non-ozone depleting, but are also non- global warming. Duracool Refrigerants are made exclusively from natural, organic materials and **present no environmental threat**. Duracool Refrigerants are guaranteed to perform as efficient refrigerants, and will not harm any A/C unit or refrigeration components and equipment, if used in accordance with the manufacture's directions and instructions.

Duracool Refrigerants are non-toxic, and environmentally friendly. The European Committee for Standardization, has recognized this safety, and has embraced hydrocarbon technology, often in preference to many of the established CFC replacements.



Estimates and Surveys

Estimates and surveys are carried out by PES to rectify any electrical billing issues. If you believe that you are paying more than you should for your service, we can investigate the situation and determine ways in which you can save money on your bill. The results of an estimate or survey can lead to costumers receiving more efficiency from their A/C or refrigerator, and even receive a decrease in their electricity bill by 30%!!!

Consumer Query Investigations

Does your electrical bill seem not to add up? We can carry out a survey on your equipment and tell you what figure to expect. No more surprises.

For product line and detailed information, visit our website at:
www.powerengineeringservices.org

Located: Marisule, Opposite Glace Motors

Phone / Fax: 450-8600

Email: service@powerengineeringservices.org