



We are students at the technical High School for Electronic of the **1° Istituto Superiore “Archimede.”** We are in the forth class. In our school teachers and students promote the “ **GREEN LIVING.**” We have been involved in several projects about saving energy, renewable energy and reusing old electronic items and equipments. We have more and more acquired the awareness of how important is “ to be green.” So how our motto is “**GREEN IS COOL....**” Our technical lessons take place in the labs: electronic lab, automatic systems lab, informatics lab and so on. At the and of each year we have a lot of that is commonly called E-waste .

E-waste may severely contaminate the land, water, air with pollutants like heavy metals, chemical and toxins. It is important don't trash them somewhere. It is crucial to dispose of them properly to prevent environmental damage. It is the best to hand over useless or degenerate pieces of electronic to E-waste collection centers, from which they are carried away for further recycling to extract precious metals or other substances.

We collect and select the E-Waste created in our labs carefully. For example we dismantle the circuit board we have built trying to save all the components we can, for reusing them next year.

**REUSE** is the first tip to be green. The second tip of our “green living “ is saving energy; we are careful in switching off our unused equipment, in switching off the lights when we go out from the classroom and the lab: we use low energy lights bulbs.

## Our visit to Sudplus E.S.Co



### The Company



SudPlus is located in Modica. It is a very ancient town near Rosolini.

Sudplus works in the field of renewable energy, energy saving and energy efficiency.

They plan and make:

- **Photovoltaic fields;**
- **Biomass;**
- **Anaerobic digesters for the production of biogas;**
- **Cogeneration systems;**
- **Electric mobility.**

The company finances and realizes installations producing heat and electricity making the most of the Sun, the wind and the organic waste. The SudPlus is in Sicily - that is the higher yield of solar energy in Europe. The company provides several levels of offers: domestic installations for single users and assistance for businesses.



**Sustainability** is an absolute imperative for Companies that want to grow and meet the globalization and its challenges. From multinational corporations to small businesses, all economic organizations are investing in renewable energy, energy efficiency and savings. They provide advices to reduce wastage, improve production cycles and achieve production plants with energy which turn in profitable investment for businesses and in excellent opportunities for diversification.



### **South is better!**

In areas of **Southern Italy** we can reduce energy costs thanks to the good climatic conditions. The Southern Regions have quickly understood the opportunities of national rules relating to renewable and efficiency energy



## Electric mobility

One of SudPlus social goal is the development of strong and rooted environmental awareness. SudPlus promotes energy savings and energy efficiency that aim to motivate eco-friendly behaviors.

**Electric mobility on two wheels** is the only real alternative to expensive fuel. By purchasing an electric vehicle you will save on gasoline. SudPlus provides benefits to private companies and government agencies with reliable products able to satisfy even the most complex mobility needs.



**Sudplus promotes "Opensun"**, an integrated energy cooperation project involving schools and public administrations. **The aim is to equip the schools and the public administration of the province of Ragusa with multimedia classrooms built through the re-use of secondhand computers.**

In the regenerated PC will be set operating **free system Linux**, which will allow Company a saving on licenses, also improving the training offer for students as well as the efficiency of the public administration, thanks to hundreds of freely downloadable open source programs.

With this project, the company aims at structuring new forms of partnership between public and private to improve eco-friendly behavior, both in citizens and in public institutions. Opensun helps the decrease of Co2 load related to new production of PC and focuses on reducing the consequences related to the disposal of toxic substances present in this kind of waste.