

Energetic Economy and renewable sources, what future, what prospectis

By

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The developmental stage at which humanity has reached in this first part of the third millennium has brought a level of science and technology than ever before. This has ensured that it would create a near-**total** domination and **exploitation** of natural and energetic resources on the planet.

Only in recent decades have begun to understand how this situation can not be more sustainable, both for the **ecological balance of the planet** for the **survival of humanity itself**. The logical consequence of this has been an afterthought, by the society, the way we relate to the world, research of a more sensible and aware living together of the inseparable binomial **man/nature**.

Among the various initiatives put in place to achieve this balance will certainly hold an important role the **energy conservation** and use of **renewable sources** of energy.

Energy conservation must be pursued through greater awareness of the exploitation of non-renewable raw materials such as coal, oil, natural gas and derivatives, still the main sources for the creation of electricity and the primary cause of air pollution, higher concentrations of CO₂ in the atmosphere and consequent increase of the greenhouse effect.

It follows that such use of these energy sources must be more and more discouraged and fell to his total abandonment and replacement by renewable sources such as **solar, wind, hydroelectric, geothermal**, and future development of technology for the use of **hydrogen**.

The effective use of these sources can only be made with a real **revolution in the way of thinking and acting of everyone with us**, encouraged, guided and accompanied by a strong **political will to change** on the part of institutions of different levels and degree, starting from the highest international forums until you reach the local government.

In this logic must therefore be considered very important incentives for the diffusion of **photovoltaic systems** for energy production and **transport powered by electricity**, combined with a greater focus in the use of **waste differentiated collection**, three key points for a real and effective policy aimed at energy saving.

- As **first** point, the panels of photovoltaic cells, more and more installed on the roofs of homes, schools, hospitals and public administration buildings, they will prove successful tool to produce both electricity, creating the perspective of the **vast electric power station over the territory**, and heat for domestic use, allowing it to reduce emissions of CO₂ from existing thermo-electrical station and thermal conditioning systems excessively popular in recent years in our city.
- As a **second** point, an ever-expanding use of **electric-automobiles**, by building a **network of charging stations** in both cities and along the roads, not a little contribute to reducing the harmful emissions into the atmosphere. In the best way to bring in the technology of **electric motors**, these should be **installed** not only on cars but also and especially on **commercial vehicles** used for transporting goods, such as **TIR** and **vans**, and **public transport**, not only **buses** but also **ships** and **airliner**, which are major contributors to air pollution.
- As a **third** point, finally, more and more conscious use of **separate collection of waste** can lead to **big savings** and **less use of raw materials** in various industrial products, could also make use of non-recyclable waste for **further energy production** through the use of modern **incinerators**.

In conclusion, it is clear how the **scientific and technological evolution** that has gone humanity on the brink of environmental disaster, it also is, fortunately for us, the only means to create a **better future** for generations to come, if, of course, we awareness and the resolution is necessary in all of us.

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