

EFFIC ENERG SCHOOL Project

**SCIENCE AND SOLUTIONS
PROMOTER OF INTELLIGENT ENERGY WITHIN
SOCIETY!**

**Project coordinator :
Prof. Crina Stefureac**

**Authors : Cristian Pasita
Marian Grigore**

EFFIC-ENERG-SCHOOL

„MIHAI BRAVU” TECHNICAL COLLEGE , 3rd District , Bucharest, Romania

1. IUSES project implementation through:

- Students Education**
- Energy saving**

2. Participation in European Energy Savings Award (EESA):

- First Prize National Stage**
- First Prize European Stage**

Project's objective

The active participation of our school in solving the current world energy problems so that we can become an example to the future generations, a model for other schools.

**THROUGH
SCIENCE AND SOLUTIONS!
(Energy Efficient School)**

Participation in the project

**THE WHOLE SCHOOL WAS INVOLVED,
FROM THE PRINCIPAL TO THE JANITOR**

Partnerships in Bucharest

- **City Hall District 3**
- **Association “BATE ŞAUA SĂ PRICEAPĂ IAPA”**
- **Europe Direct Information Centre in Bucharest “CENTRAS”**
- **"Timpuri Noi" School**
- **Bucharest International Computer High School**
- **Public schools**

Mottos

- ❑ ***LITTLE BY LITTLE, A LOT CAN BE DONE !***
- ❑ ***LOWER BILLS AT SCHOOL AND AT HOME!***
- ❑ ***SAVE THE ENERGY!***
- ❑ ***SAVE THE EARTH, OUR HOME !***

How we did it?

Trough:

- 1. EDUCATION**
- 2. SAVINGS BY REDUCING THE ENERGY CONSUMPTION IN SCHOOL AND STUDENT TRANSPORTATION**

EDUCATION

- a. **The modeling and shaping** of a responsible citizen behavior of the students towards the low energy consumption and, generally speaking, in regards to the actual energy problems

- b. **The professional training** offered by our school is: constructions, electrical, thermal and sanitary installations. The applying of modern knowledge regarding the usage of renewable energies and the installations that are needed to use these energies.



Iuses Kit Experiments



**Visiting the D.Leonida Technical
Museum**

SAVINGS BY REDUCING THE ENERGY CONSUMPTION IN SCHOOL AND STUDENT'S TRANSPORTATION

- a) Our goal was reducing electricity, heat and gas bills.
- b) the thermal and electrical rehabilitation of the school buildings and installations was achieved with the help of the City Hall .
- c) The implementation of the project „Coming to school by bike”. This contains measures for our school to become an example by encouraging the usage of bicycles.
- d) We save energy by collecting, sorting and giving to recycling waste.

Awareness campaign for energy saving



Is it hard to switch off the lights? (Campaign stickers)

“Bate saua sa priceapa iapa” Partnership



Velorutia – A 2 wheels revolution



Velorutia – Program presentation



Results of our campain

European cooperation on Energy theme

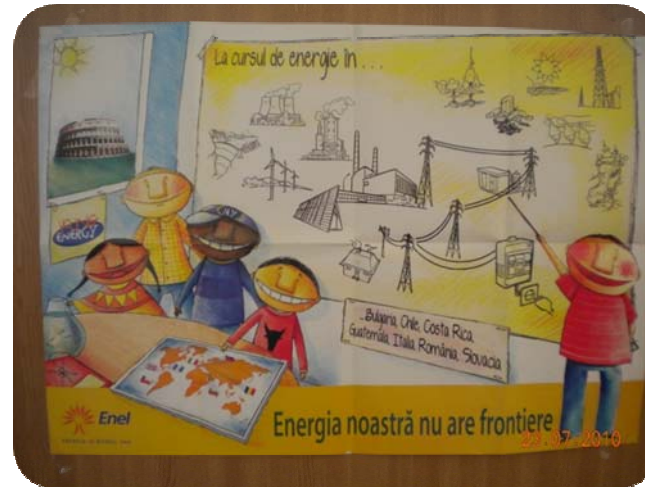
- Participation in **Geosciences Information For Teachers - GIFT** Workshop on Energy and Sustainable Development (under the European Geosciences Union EGU - Vienna, May 2-7, 2010)
- Publishing articles in the **European Pupils Magazine** (EPMagazine)
- Website collaboration (France) <http://eco.school.online.fr> (Eco School) in regards to materials on energy issues. We will expose the project on this page IUSES

Proof of our work

- Activity plan
- School Rehabilitation Project Energy
- Project "With bicycle to school "
- WEB PAGE <https://efficenergyschool.webs.com>
- Final poster
- Project's journal, classes' portfolios
- DVD
- Project's CUBE
- Experimental models



Project Cube



Project Poster

Conclusions

- THE IMMEDIATE receptivity of STUDENTS, TEACHERS, AND PARENTS AND THEIR PROMT Response to PLANNED ACTIVITIES was remarkable
- The significant decrease of the electric bill was achieved
- Usage of bikes by the students as result of the Velorutia project
- REHABILITATION PROJECT
- Due to knowledge gained through the IUSES project training, our students will be better prepared for their future.



**Thank you for you
attention!**