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## Case study

# ITCG Salviani of Citta di Castello



Agenzia per l'Energia e l'Ambiente  
della Provincia di Perugia



**Agenzia per l'Energia e l'Ambiente della  
Provincia di Perugia**

YEP! Partner No: 6

Intelligent Energy  Europe

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### 3. Best Practice Case Study

#### *Young Energy People Project in ITCG Salviani of Città di Castello*

##### **Description of ITCG Salviani**

*ITCG Salviani of Città di Castello is placed in the north part of the territory of the Province of Perugia.*

*It is a technical institute with around 450 students. The involved students attended the third year of surveyor section.*



##### **Background of YEP!**

YEP! aims to increase sustainable energy practices in secondary schools and workplaces by empowering pupils (14-18 years) with relevant knowledge and skills. Using the school as a training ground for acquiring an understanding of energy issues and their management pupils transfer their acquired knowledge to a workplace. Through this, increases in efficiency and renewable energy use can be instigated and carbon emissions

reduced. In addition the project actively illustrates the practical applications of these skills to the workplace and raises pupil awareness of potential career opportunities.

##### **Objectives:**

An educational programme, resources and method that can be used as a framework for schools wishing to undertake similar projects with work places

- Energy efficiency programmes established in participant schools and workplaces
- An evaluation that demonstrates the project work effectiveness and indicates its potential for wider application
- A dissemination of project work aimed at inciting similar actions in new schools and workplaces
- Increased awareness about the opportunities for applying energy related skills and knowledge to future careers.

##### **Funding and Management:**

YEP! project in the Province of Perugia had a 119.551 euro budget, 50% funded by European Agency for Competitiveness and Innovation, Energy Intelligent Europe and was coordinated by Severn Wye Energy Agency, UK.

##### **Implementation in ITCG Salviani School**

*Initially AEA has presented the project to the School Manager that has accepted soon to participate.*

*After that the activity has been organized as in the others 4 YEP schools.*

*AEA organized 5 didactic lessons to train the student and to show the didactic tools.*

*The school has worked alone doing surveyor of the school, taking measures and carrying out the energy audit of the school.*

School has chosen the workplace without AEA's help and It has organized all the meeting.

They have soon accepted to participate to the didactic visit in an important building company organized by AEA.

The pupils (following AEA's suggestion and using informative material provided by AEA) have organized an awareness campaign within the school.

They have organized visits into the class not direct involved in the project to explain the done activity and the energy saving actions to carry out in the school.

The ITCG Salviani has been chosen as case study because they have been always the most active and ready to follow AEA's suggestions.

Moreover they have done very detailed and complete relations about the activity. At the end of the project they have showed the work to the others students of the school.



#### Key features of success

- **To organize well the activities with School Manager/teacher:** you have to have the full help of all the school members
- **To choose a CLEVER, SMART and MOTIVATED teacher** otherwise your project is appointed to the failure

- **To adapt the PPP to the formative plan of the school** to well implement the action
- **To use of new didactic tools** as film visits and practical tools: very positive aspect to motivate and to interest the students.
- **To face all the aspect of energy problem (environmental/resources..)** **the attention level increase when you talk about actual issues:** they could well understand an actual problem (many question). Teachers were present during all the meeting and in many case they are surprised for the attention
- **To use their attitude/capacities:** teachers have to help you to divide and to organize the activities
- **To monitor the activity periodically:** visit the school, verify the work!





### Identified Results

- Increasing of awareness on energy issues
- Increasing of knowledge on energy consumption of buildings/ electric equipment
- Increasing of knowledge on emission problem
- More attention on using of electric instrument
- Students have learnt to calculate CO<sub>2</sub> emissions, kWh

and money consumption derived by bad behaviours.

### Future Plans

- The teacher and the school manager are interested to replicate this experience in the next school year but the difficult will be to find the fundings. Actually AEA are looking for the collaboration of the Province of Perugia to replicate the project in several schools
- In the next school year students will study material's characteristic. The teacher intend to deepen the argument of energy behaviours of different materials. After that he intend to deepen the energy analysis adding the evaluation of buildings materials
- Monitoring of Electrical consumption of school
- Monitoring of Electrical consumption of workplace

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