

## **Implementation of Energy Efficient Technologies is necessary at enterprises**

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**The USAID “NATELI” project is being implemented in Georgia, the duration of the project is two years. The presentation of project has taken place yesterday at Technical University of Georgia.**

The main goal of the mentioned project is to stimulate the introduction and implementation of the energy efficient technologies at Georgian enterprises as well as residential sector. The program aims at following fields: Energy audit and energy efficient measures in hospitals, detailed analysis of costs and savings, preparation of short and long term energy efficient programs and economic/financial analysis for investment in energy efficient measures.

In order to increase the energy efficiency it is necessary that energy audit is accomplished in every organization or family. On the basis of studying the energy consumption, it is necessary to control energy use and reduction, monitor costs of exploitation and install better regulation and energy efficient equipment. Energy audit is a way of evaluating energy efficiency within the buildings, with the help of which it is possible to determine energy efficient measures, reduction of energy costs, decrease greenhouse gases and help the environment.

The main target groups of the program are hospitals and residential sector as well as the Georgian Technical University. The program helps the mentioned institutions to introduce energy efficient measures and reduce their costs.

It is noteworthy to state that first energy audit was conducted at the fourth building of GTU by Dr. Karine Melikidze, the sub contractor of the program. Energy audit was conducted using ENSI international and economic analysis program, in accordance with the licensed energy audit report sample.

According to the specialists in order to increase the energy efficiency it is important to have an accurate record of supply and use of electricity and natural gas as well as the costs. In the areas where these components are not clear the consumers are also indifferent towards savings, because there is the possibility of using energy without proper record keeping and payments.

Chinese energy efficiency program and similar Brazilian program results clarify that state plays an important role in energy saving by creating necessary legal initiatives and frameworks.

According to experts, the implementation of energy efficiency policy is only possible with strong civil society, democratic management and effective civil administration, it is also dependant on availability of respective technologies.

In developing countries stimulation of energy efficiency policy brings not only positive influence for environment and increases the energy supply, but also strengthens the energy safety and boosts economic and social development of the country. This is the tool by which it is possible to raise awareness and have numerous stake holders on the side of society in decision making processes.