



ORGANIZATION OF THE BLACK SEA ECONOMIC COOPERATION
Permanent International Secretariat
Istanbul / Turkey

Fax: (+90212) 2296336 E-mail: info@bsec-organization.org www.bsec-organization.org

PRESS RELEASE ON
THE ENERGY SMART SCHOOL PROJECT SUPPORTED BY BSEC

The Organization of the Black Sea Economic Cooperation (BSEC), through its BSEC Hellenic Development Fund (BSEC-HDF), committed 400,000 Euros in 2011 to support six regional projects that promoted the use of renewable energy technologies and energy efficiency applications.

One of the selected projects on an energy smart school in Istanbul has been completed and will be presented to the local authorities and international participants on 13 February 2013.

The implementation of the project titled “*Energy Efficiency for a Smart School*” has been coordinated by Beyaz Gemi Training Consultancy, with the Istanbul Governorship, Istanbul Project Coordination Unit (IPKB), the Environmental & Energy Engineering Consultancy “kartECO” from Greece and the Center for Energy Efficiency from Bulgaria, as partner organizations and institutions.

BSEC-HDF covered all project costs related to the purchase and installation of a solar energy (photovoltaic) system on the roof and a “Solar Tree” in the yard of the Kazim Karabekir Primary School in Istanbul. A five-story building with a 3,000 pupil capacity, the school was fully refurbished in 2011 in accordance with high standards for energy efficiency and represents a successful example for promoting such type of environmental practices for school buildings not only in Turkey, but in all twelve BSEC Member States.¹

The project aims to promote an energy efficient model of sustainable infrastructure with the production of clean energy (solar) as well as to raise public awareness on clean energy. The specific school building was selected by the Istanbul Project Coordination Unit (IPCU) and the Istanbul Provincial Directorate for National Education from among the schools reconstructed/retrofitted in the framework of the “Istanbul Seismic Risk Mitigation and Emergency Preparedness Project”, which is presently implemented by IPCU.

The Kazim Karabekir Primary School represents a successful implementation of the “*Energy Efficiency for a Smart School*” project, as it has been designed and constructed with high energy

¹ The 12 BSEC Member States are Albania, Armenia, Azerbaijan, Bulgaria, Georgia, Greece, Moldova, Romania, the Russian Federation, Serbia, Turkey and Ukraine.

efficiency infrastructure systems. These include a rain water harvest system, photoelectric faucets/taps, a condensing boiler working through the heat produced by the stack gas, air conditioning centrals, exterior thermal insulation works, frequency convertor hydrophores for the water pumps, frequency convertor circulation pumps, low debit toilet reservoirs, selenoid valve/faucets, thermostatic type radiator valve/faucets, a computer monitored building automation system and energy efficient electrical works and fittings, photovoltaics (PVs) and a Solar Tree.

Background Information:

BSEC aims to strengthen cooperation in the field of green energy through the activities of its Task Force on Green Energy Development that addresses technological developments, successful projects and best practices in the field of green energy to set examples for the BSEC region, with a view to increasing awareness in the green energy sector in the Black Sea area.

BSEC encourages projects based on best practices in renewable energy production and energy savings technologies as a means to promote green energy investments. The ultimate objective is to leverage public and private sector funds in the development of environmentally friendly energy technologies for renewable energy sources and energy efficiency projects and to make recommendations on action to be taken in the BSEC Member States to this effect.



The Kazım Karabekir School in Istanbul where a solar panel system has been installed at the roof and a “Solar Tree” in the school’s yard in the framework of the “Energy Efficient Smart School” project funded by the BSEC-HDF. The Solar Tree is intended to promote the use of green energy among students, staff, parents and visitors.