



Georgia

GEEP Project - Hospital saves energy with modern building and equipment, plus BMS

This project forms part of the Government of Georgia's health revolution in encouraging insurance companies to take over and rebuild the existing hospitals in Georgia. The scope of project includes the renovation and extension of the building, including installation of energy efficient electromechanical equipment in the new part of the building. The aim of the project is to invest in EE measures in order to reduce energy consumption through:

- Building shell insulation (rock-wool insulation and double glazed windows),
- Energy efficient boilers for heating and hot water supply,
- Efficient refrigeration and air handling units for cooling and ventilation of the hospital building
- Variable Speed Drives on fans
- Building Management System (BMS) to control and monitor the operation of the building.

These measures will bring the energy consumption (gas and electricity), from 8000 MWh/year down to 3000 MWh/year, a massive 60% saving over all on energy, which leaves more funds for the medical services and the patients.



The Company

Main activities	Hospital
Region	Tbilisi, Georgia

Project Goal and Main Investments

Project goals	<ul style="list-style-type: none"> ▪ To create a new 150 bed hospital to modern standards (and hence a long life)
Main investments	<ul style="list-style-type: none"> ▪ thermal insulation in the shell of the building ▪ double glazing ▪ condensing boiler, ventilation heat recovery and efficient Air Handling Units (with VSD) and refrigeration ▪ Building Management System
Investment size	Approximately USD 1,022,000

Expected Results

Operational results	<ul style="list-style-type: none"> ▪ Lower energy consumption ▪ Better control on the functionality of the building ▪ Higher comfort
Investment profitability	<ul style="list-style-type: none"> ▪ Annual savings of almost 145,000 USD ▪ Payback period of 6.9years ▪ An IRR of around 14% on the investment

For more information on how your company can receive financing for energy efficiency projects, visit www.energocredit.ge, or call +995 32 224962.

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