



Energocredit Project – Building thermal insulation for a Clinic

Clinic saves USD 20,000 costs per annum by investing in Energy efficiency measures

Georgia

The Clinic was established in the 1990s, in an old hospital, near the centre of Tbilisi. It has a capacity of 30 beds and offers mainly cosmetic surgery and general pathology services. The infrastructure of the building is very poor, which consisted of :

- partial heating with electric elements or split units,
- bad lighting
- no ventilation
- no thermal insulation
- no gas supply

It was then decided to expand to a modern building, outside the centre of Tbilisi, with a capacity of 90 beds. A walk through energy audit was performed by the Energocredit engineers, in order to identify key areas for energy efficiency measures. The identified areas were:

- Good building shell thermal insulation
- Efficient lighting with electronic balasts
- Double glazing

These measures correspond to an energy saving in gas and electricity of 360 MWh/year. This represents a 20 % saving (from 1,850 down to 1,490 MWh/year.)



The Company

Main activities	Clinic
Region	Georgia

Project Goal and Main Investments

Project goals	<ul style="list-style-type: none"> ▪ Increase the living comfort of the patients ▪ Reduce the energy consumption
Main investments	<ul style="list-style-type: none"> ▪ Introducing thermal insulation on the shell of the building ▪ Installing double glazing ▪ Installing EE lighting with electronic ballasts
Investment size	Approximately USD 140,000

Expected Results

Operational results	<ul style="list-style-type: none"> ▪ Lower energy consumption ▪ Better controls improve the functionality of the building ▪ Higher patients comfort
Investment profitability	<ul style="list-style-type: none"> ▪ Annual savings of around 20,000 USD ▪ Payback period of 6.5years ▪ An IRR of around 15% 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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