

GEEP Project – Better Telecommunication Services with less Energy

The company offers fixed line telephone services in certain geographical areas in Tbilisi, as well as Internet services. The total customer capacity of the company is around 120,000 connections. The company wants to upgrade the telecommunication equipment, installing new electronic racks with lower electrical power consumption. The various racks are installed in 8 separate equipment rooms in the coverage area.

At present, it operates, among others, an old digital telecommunication system that comprises of 40 racks and has an installed electrical capacity of 45 kW. All the energy consumed by the electronic racks is transformed to thermal energy. These rooms are cooled by old air conditioning units, either split units or single units through the windows, which provide an extra energy load.

The company has installed a new system of communication electronic racks comprising of 8 racks with lower electrical energy consumption of 5 kW. The new system is compatible with the rest of the telecommunication equipment the company already possesses.



The Company

Main activities	Fixed telephone lines and internet services
Region	Tbilisi, Georgia

Project Goal and Main Investments

Project goals	<ul style="list-style-type: none"> ▪ Replacing electronic racks for digital communication offering higher service quality, with more energy efficient ones
Main investments	<ul style="list-style-type: none"> ▪ Installation of the new telecommunication racks.
Investment size	Approximately USD 380,000

Expected Results

Operational results	<ul style="list-style-type: none"> ▪ Lower electrical energy consumption ▪ Better telecommunication services to their customers ▪ Operating fewer air conditioning units
Investment profitability	<ul style="list-style-type: none"> ▪ Annual saving of around USD 50,000 (530 MWh/year) ▪ Payback period of 7 years ▪ Over 12.5% IRR

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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