



About Company

- “Tbilisi Transport Company” LLC (former - Tbilisi Metro) operates since 1966. At present the company unites:
 - 23 metro stations
 - 3 autoparks of municipal buses
 - Ropeway
 - Tbilisi parking
- The company employs more than 6,000 employees. The main task of the company is to provide the passengers with safe and comfortable transportation.
- Every year we provide transportation for about 125,000,000 people.
- The company consumes an average of 71,000,000 kWh electricity per year.

Experience and Achievements of the Company in terms of Energy Efficiency

In 2017, Tbilisi Transport Company and UNIDO signed the document for expression of interest (EOI). After that the company started implementation of the energy management system

- An energy manager was appointed
- The energy policy of the company has been drafted and prepared for approval
- On the basis of analysis, large consumers have been identified
- A list of energy efficient measures to be implemented has been prepared
- Roles and responsibilities of the decision-makers have been determined for the purpose of coordinated operation of the services

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- With the efforts of local experts and the management of the company, employees' awareness has been increased
 - Monitoring of electricity consumption has been enhanced
 - The energy management system is being improved in order to obtain ISO 50001
 - Future projects include energy policy of the company and priority is given to energy efficient proposals during procurement

Problems and Challenges

The main problem in the process of implementation of the energy management system was:

- Low awareness and skeptic attitude towards the issue
- Data collection (failure of accounting system)
- Obsolete equipment
- Priority of other issues
- Lack of the financial resources
- Wasting of electricity



Current and Planned Measures for Improvement of Energy Efficiency

- Modernization of lighting system (replacement by LED lighting) - current project
- Ventilation systems update - current project
- Complete renewal of the cable industry - current project
- Increase of control and permanent monitoring of electricity consumption - 2018
- Encouragement of energy efficient ideas - 2019
- Raising of employees' awareness - permanently

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- Arrangement of accounting of individual consumers - under discussion
 - Modernization of train engines - under discussion
 - Procurement of trains equipped with modern systems - under discussion
 - Equipment of escalator engines with frequency converters - under discussion
 - Compliance with the driving modes while driving the train - from 2020

Ways of Promotion of Energy Efficiency

- Organization and financing of training and information campaigns for raising of awareness
- Organization of energy managers exchange programs to share the experience of the countries having the best practice
- More investment in energy efficiency measures
- Motivating the companies (e.g. reduction of taxes or provision of any other benefit, if it implements the energy management system)

Thank you for your attention!