

## Energy Audit in the Kindergarten "Veselka", Ivankiv city, Kyiv oblast, Ukraine

### Client

Greenpeace

### Country

Ukraine

### Duration

from 02.2016 to 03.2016

### Services of iC

- Energy audit

### Project objectives

The objective of the project was to perform energy audit, the results of which could serve as a basis for further modernization concept development, aimed at decreasing wood demand by the kindergarten, introducing energy efficiency measures and/or renewable energy sources in the most cost-efficient way

### Project description

In frames of the Energy Audit the main energy consumers have been identified, the energy usage, possible savings and costs of achieving the savings have been analyzed. The consultant identified 3 packages of different energy measures relating to the:

1. Heating System
2. Building physics
3. Ventilation and electrical equipment

### Project data

The energy audit was conducted in one kindergarten with 120 children and 40 employees being primary users

### Project specifics

Recommendations on improvement of the energy performance cannot be provided based only on financial profitability assumptions, as the investment can hardly be returned. However, from the ecological perspective, as well as from the improvement of the indoor environment point of view and, consequently, the health and well-being of the children, it pays off immediately

### Services

- Site visit
- Initial data collection
- Analyses of the financial and technical information
- Review of energy balance
- Development of the energy saving measures
- Provision of the main conclusions and recommendations on environmental and energy efficiency issues

