

## Feasibility Study and Project Implementation Unit Support in Kherson

### Client

CES clean energy solutions  
(contracted by NEFCO)

### Country

Ukraine

### Duration

from 03.2019 to 09.2021

### Services of iC

- Feasibility study
- Priority Investment Programme
- Environmental and Social assessment
- Gender assessment
- Procurement support
- PIU support
- Capacity building
- Contract administration
- Works supervision



### Project objectives

The main goal of the project is to increase energy efficiency of public buildings and street lighting system in the city of Kherson

### Project description

Preparation of a comprehensive Feasibility Study in order to develop a bankable Priority Investment Programme for energy efficiency improvements in O.S. Luchanskogo Kherson municipal clinical hospital and street lighting system. Implementation of the investment project will lead to reduction of fuel and electricity consumption, energy costs, and subsequently reduce the burden on the municipal budget

### Project data

**7 hospital buildings** were assessed for the investment. The Consultant also proposed energy efficiency measures for the **street lighting system modernization** in 84 streets with the total length of 104 km

### Project specifics

Measures for **buildings**: rinsing and balancing of heating systems, replacement of exterior doors and windows, repair of heat insulation of pipelines, repair and insulation of roofs, heat recovery in ventilation systems, insulation of building envelopes.

Measures for **street lighting system**: replacement of outdated street lamps with bulb sodium arc tube lamps and arc mercury lamps by new energy efficient LED lamps; replacement / installation of new street lighting poles, brackets incl. grounding, overhead wiring, new control and dispatch system, and disposal of hazardous materials

### Services

- Assessment of Existing Facilities and Baseline Situation
  - Socio-economic context, including gender aspects
  - Verifying and approving the list of buildings and new boiler that are proposed for inclusion in the investment programme
- Elaboration of the investment programme
  - Identification of energy efficiency measures and their potential for implementation
  - Replacement of lamps and installation of new control systems
  - Definition of a Priority Investment Programme
  - Financial projections and implications for the city's budget
  - Environmental and social assessment
- Planning implementation of the investment programme and procurement support
- PIU support