



# MODELING OF ENERGY PROJECTS FOR NGOs AND DONORS



**COSSACK  
ENERGY**



# COMPREHENSIVE ADVICE



**Our approach provides project modeling in different measurements and from combination all aspects in the complex:**

- **Technical aspects**
- **Financial aspects**
- **Legal aspects**

**As a result our recommendations are not just a presentation, but a real project implementation plan with measurable results.**



# CONSIDERATION OF REAL OUTPUT DATA

**Modeling is based on actual, not approximate, data:**

- 1. Use of actual consumption**
- 2. Use of hourly, not " average " prices**
- 3. Consideration of interactions with the grid (buying and selling energy)**

# PROBLEMS AND SOLUTIONS

## LACK OF UNDERSTANDING

Ukrainian clients usually do not have clear understanding of their needs. And donors – expertise and / or will to engage in the clarification stage. We fill this gap and help parties understand what results can be achieved.

## RESULTS

Any costs have to lead to the result: energy independence, CO2 reduction, savings or a combination of these aspects .

We provide possibility to understand measureable result that can be achieved thanks to project implementation beforehand.

## TECHNICAL DESCRIPTION

Assessing technical complexity before starting a project = avoiding losses and potential late in the project.

Technical feasibility study answers "can this project be implemented? What difficulties should be expected?"

## FORMED TRANSPARENT CONDITIONS

Formed at the previous stages technical tasks and conditions are justified and give the answer to the question "why exactly like that"?

Transparent and well-founded conditions – legal safety and warranty against corruption during project implementation .

PROBLEM

# FINAL REPORT



## TECHNICAL ASSIGNMENT

We form clear and understandable, measurable and implementable technical task . At the same time we make sure that formed task corresponds to the goals of both client and donor.

## TECHNICAL REPORT

Technical report includes answers to the questions "how should final result look like", in which stages will solution be implemented, what equipment and why would be purchased and installed. Technical report also points to potential "narrow places" and shows the ways to pass them.

## FINANCIAL MODEL

Financialmodel is the basis for the decision. It clearly shows correlation costs and profits , the economic result of the project. Financial model is being developed simultaneously with technical task and technical report for project balancing .

## SUPPORTING DOCUMENTS

If necessary, we prepare draft agreements, tender conditions, ESCO contract conditions and other documents necessary for project implementation. We can also provide support at all stages of implementation.



# WHY IS THIS NEEDED?

## CONSISTENCY

Our report allows to clearly understand what exactly, for what purpose and how could be implemented.

Which measurable results will be achieved .

## SUBSTANCE

Well-founded project is more economical. Correct definition of the goal and selection of solution allows you to avoid unnecessary costs. And a feasibility study allows you to avoid unforeseen additional problems.

## TRANSPARENCY

Our report there are transparent, understandable and based on actual data. It makes relationship between client and donor, client and contractor, donor and his supervisors transparent.