

A new sustainable university complex including energy efficiency technologies



CLIENT

- A private educational institute in Mongolia providing training in the areas of accounting and information technology, attended by over 2000 students.

PROJECT

- Two new university buildings will be constructed in Ulaanbaatar and include energy efficiency technologies in line with international best practices: thermal insulation layers, windows, energy efficiency lamps and ventilation system. Such technologies allows an energy saving of 72% in comparison with the baseline scenario, represented by standards, practices and market of Mongolia. This new building construction is estimated to exceed the national energy efficiency standards by average 30-35% (thermal EE standards).

FINANCIAL STRUCTURE

- Loan USD 894,098

TECHNICAL ASSISTANCE

- The MonSEFF team visited the company and, based on the gathered data, calculated the energy and cost savings related to the investment.



EXPECTED IMPACT

- Payback period: 8 years
- Internal rate of return (IRR): 11%
- Primary Energy saving: 4,534 MWh/year
- Costs Saving: 146,500 USD/year
- Carbon emission reductions: 1,485 tonnes per year
- Other benefits: Reduced maintenance costs; Optimised comfort conditions; Significant reliability of the different equipment; Improved institute's brand

DONOR: EBRD Special Shareholder Fund



European Bank
for Reconstruction and Development