

# CASE STUDY: Modern energy efficient bakery equipment to support growth of small entrepreneur based in Guliston district

Along with the large bakeries that specialize in the production of cheap bread varieties for mass consumption, the market also demands small private bakeries. Their main area of activity is the production of bread and national bakery products. To meet the increasing demand for bakery products, Mr. Olimov decided to replace old bakery equipment with a new one with higher capacity and lower energy consumption.

The new equipment is 66% more energy efficient. With the investment cost of USD 8,000 for the new baking equipment, the individual entrepreneur will produce approximately 160,000 pieces of bread annually, which will eventually save 24,773 kW of energy. The simple payback period is 3 years.



## The Company

### Main activities

Production of bread and national bakery products

### Region

Guliston, Northern Tajikistan

## Project Goals & Main Investments

### Project Goals

The Project aims to:

- Increase the energy efficiency of its bakery equipment
- Ensure the increased productivity and quality of bakery

### Main Investments

- Replace current equipment with energy efficient equipment

### Investment Size

- Approximately USD 8,000

## Results of the Project

### Operational Results

- Energy savings: 24 773 kWh per year
- Greenhouse gas emissions saved: 1.8 tons of CO2 eq/year

### Investment Profitability

- Annual cost savings: USD 1,077
- The payback period is about 3 years

