

# CASE STUDY: Cotton seed oil producer commits to energy efficiency with Climadapt financing, with investment in automated cotton oil production machine



LLC Umedjon is one of the well-known cotton seed oil producers in the Sugd region in Tajikistan, having been in the cotton industry for close to 15 years. The company produces on average 2500 tons of cotton seed oil annually.

LLC Umedjon was looking to automate its production line by investing in more energy-efficient technologies. Its current production line had multiple manual processes and consumed a large amount of electricity. Turning to Climadapt for financing, the investment in an automated production system made in China has led to significant cost savings of USD 5,900 annually. The payback period is about 2.5 years.



For more information on how Your Company can obtain Climadapt financing, visit [www.climadapt.tj](http://www.climadapt.tj) or call +992 37 2213789

## The Company

Main activities	Production of agri-oils, in particular cotton seed oil production
Region	Jabbor Rasulov, Northern Tajikistan

## Project Goals & Main Investments

Project Goals	The Project aims to: <ul style="list-style-type: none"><li>Reduce electricity consumption</li><li>Increase capacity of energy-efficient production</li></ul>
Main Investments	<ul style="list-style-type: none"><li>Replacement of Soviet-era equipment with manual pressing functions with automated cotton oil production machine</li></ul>
Investment Size	<ul style="list-style-type: none"><li>Approximately USD 15,200</li></ul>

## Results of the Project

Operational Results	<ul style="list-style-type: none"><li>Energy savings: 57,500 kWh/ year</li><li>Greenhouse gas emission reduction: 4 tons of CO<sub>2</sub>eq/year</li></ul>
Investment Profitability	<ul style="list-style-type: none"><li>Annual savings of USD 5,900</li><li>Payback period of about 2.5 years</li></ul>

