



2014-2020 Operational
Programme for the
European Union Funds
Investments in Lithuania

*Creating the Future of Lithuania
Operational Programme for the European Union Structural Funds' Investments in 2014-
2020*

Installation of Solar Power Plant by Retal Lithuania UAB

RETAL Lithuania UAB will install solar panels thanks to the European Regional Development Fund. The project is officially called the "Installation of Solar Power Plant by RETAL Lithuania UAB according to Facility No 04.2.1-LVPA-K-836 "Renewable Energy Sources for Industry LT+" of Priority Axis 4 "Promoting Energy Efficiency and Production and Use of Renewable Energy" of the Operational Programme for the European Union Structural Funds' Investments in 2014-2020".

The aim of the project is to reduce energy consumption at RETAL Lithuania UAB. An energy audit report drawn up according to Directive 2012/27/EU suggests that the planned measures will help reduce energy consumption and result in savings. According to distribution by energy sources (2016), (what does 'distribution by energy sources mean?') electricity costs in the technological process are higher than 10%. (higher than what?)

RETAL already has an uninterruptible power supply from ESO AB, given that reliable power supply is a key element in continuous production with minimal downtime. But electricity is expensive. Based on an energy audit report, RETAL Lithuania UAB will significantly benefit from this 1200–1400 kWp solar power plant, allowing for the production of 1,277,880 kWh/m of electricity, with a projected ROI within 6-9 years.

A solar power plant has an operational life expectancy of approximately 30 years, making this solar power plant an economically sound investment. This installation will actually increase the electricity capacity slightly, as well as reduce costs, with no possible outages in the power system, offering complete reliability in production.

The solar power plant is ergonomic because its installation does not require any essential changes to the existing electrical infrastructure, the equipment does not require additional land, or investment in development. Implementation of the project will ensure better daily reliability for employees because of a decrease in any downtime, thus optimizing the production cycle time. It will also improve working conditions for technicians, as they are able to reallocate time used for the elimination of equipment failure caused by electrical interruptions to preventive supervision.

The amount of EUR 469,581.00 of the budget of the project amounting to EUR 782,635.00 will be financed from the European Regional Development Fund.