



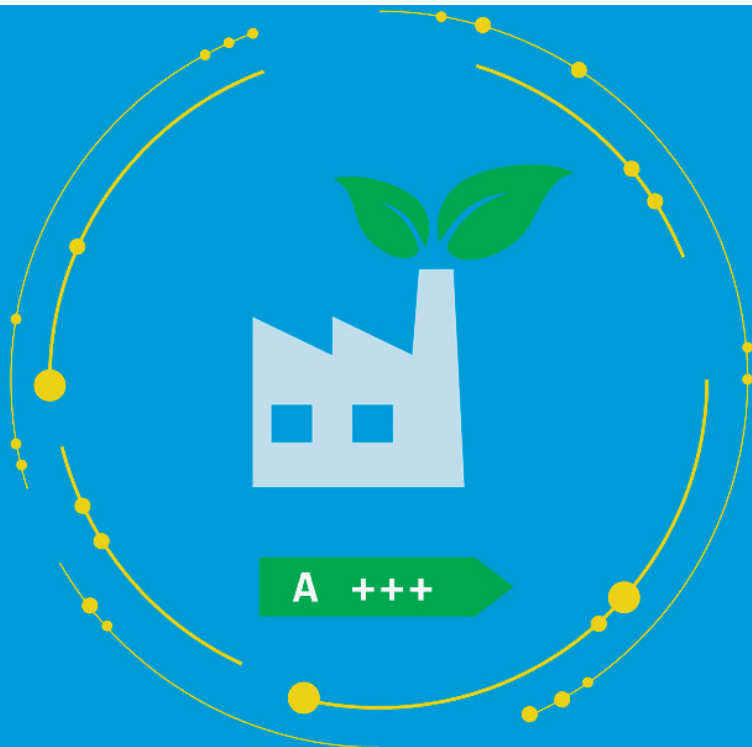
UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



РЕГИОНАЛЕН ЦЕНТАР ЗА ЖИВОТНА СРЕДИНА
Македонија



GLOBAL ENVIRONMENT FACILITY
INVESTING IN OUR PLANET



Енергетска ефикасност за конкурентна и одржлива индустрија

ПОТТИКНУВАЊЕ НА ПАЗАРНАТА

ТРАНСФОРМАЦИЈА ЗА ЕНЕРГЕТСКА ЕФИКАСНОСТ

ВО ИНДУСТРИЈАТА И ЗАБРЗУВАЊЕ НА ИНВЕСТИЦИИТЕ

ВО НАЈДОБРИ ПРАКТИКИ И ТЕХНОЛОГИИ

BACKGROUND

The average energy efficiency of Macedonian industry remain significantly below that of Western Europe and of few neighboring countries despite of the noticeable progress made in this field by the Macedonian Government and industrial sector in recent years remarkable amount of work carried out by the Macedonian Government and its institutions in this field.



According to the estimates of the Strategy for Improvement of the Energy Efficiency in the Republic of Macedonia until 2020, industry is the sector with the largest potential for energy savings: 91.1 ktoe cumulated over the period 2010-2020, equal to 38% of the total industry consumption.

One of the main barriers to increased energy efficiency in industrial enterprises is the lack of systematic and structured approach to the management of energy use in all its forms (electricity, fuels, heat, etc.) and at all levels of an organization (management, policy, planning, operations, design, procurement and investments). The project approach takes a special focus on addressing this barrier.

AIMS

The project aims to:

- Strengthen policy and regulatory frameworks for improved better and sustainable energy efficient performance in industry
- Accelerate adoption and wide dissemination of industrial energy efficiency (IEE) best-available practices and technologies
- Save energy and reduce GHG emissions of the Macedonian industrial sector
- Integrate energy efficiency in industry daily business practices



ENERGY MANAGEMENT

PROJECT IMPLEMENTATION SETUP

Project Funding: The project is funded by the Global Environment Facility (GEF) with a grant contribution of 1,400,000 USD.

Co-financings: committed co-financing to the level of total 5,900,000 USD contributed by is secured from :UNIDO, Min. of Economy, Min. of Environment, Macedonian Bank for Development & Promotion, Energy Agency, Macedonian private companies, USAID Industrial Energy Management Project, USAID Low emission Development Strategies Project, REC Country Office Macedonia and Faculty of Technology and Metallurgy.

Project Partners: The Project is implemented by UNIDO and executed by the REC Country Office Macedonia (REC COM) in collaboration with the Ministry of Environment and Physical Planning, the Ministry of Economy, the Energy Agency of the Republic of Macedonia and the Macedonian Bank for Development and Promotion.

Project duration: April 2015 – December 2018



PROJECT SCOPE (COMPONENTS)

1

Straightening Macedonian policy, regulatory and institutional frameworks for IEE and green industry:

(I) Ensuring that supportive policies, secondary legislation and programs specifically targeted to promote and support industrial energy efficiency and energy management systems are put in place; (II) Building the knowledge of decision makers needed to promote and support industrial energy efficiency .

2

Market development support for deployment and diffusion of best available practices and technologies for energy efficiency and environmental sustainability in industry;

(I) Introducing and supporting deployment of energy management systems in line with ISO 50001 and best-available techniques for industrial energy systems efficiency improvement in Macedonian enterprises and local IEE market; (II) Knowledge dissemination between industry decision-makers, skills and expertise upgrade of national EE service providers; (III) Training of enterprises and EE service providers through hands-on experience and coaching in implementing energy management systems and energy systems optimization projects.

3

Scaling-up of investments in energy efficiency technologies for industry;

(I) Accelerating the pace of investments in IEE projects and technologies; (II) Enhance the use of existing financing facilities for investments in industrial EE as well as to help mobilize additional financing from the Macedonian banking sector; (III) Increasing the quality and number of IEE projects and investment proposals submitted to Macedonian banks; (IV) Increasing the incentives for enterprises and banks to invest and engage in industrial energy efficiency projects

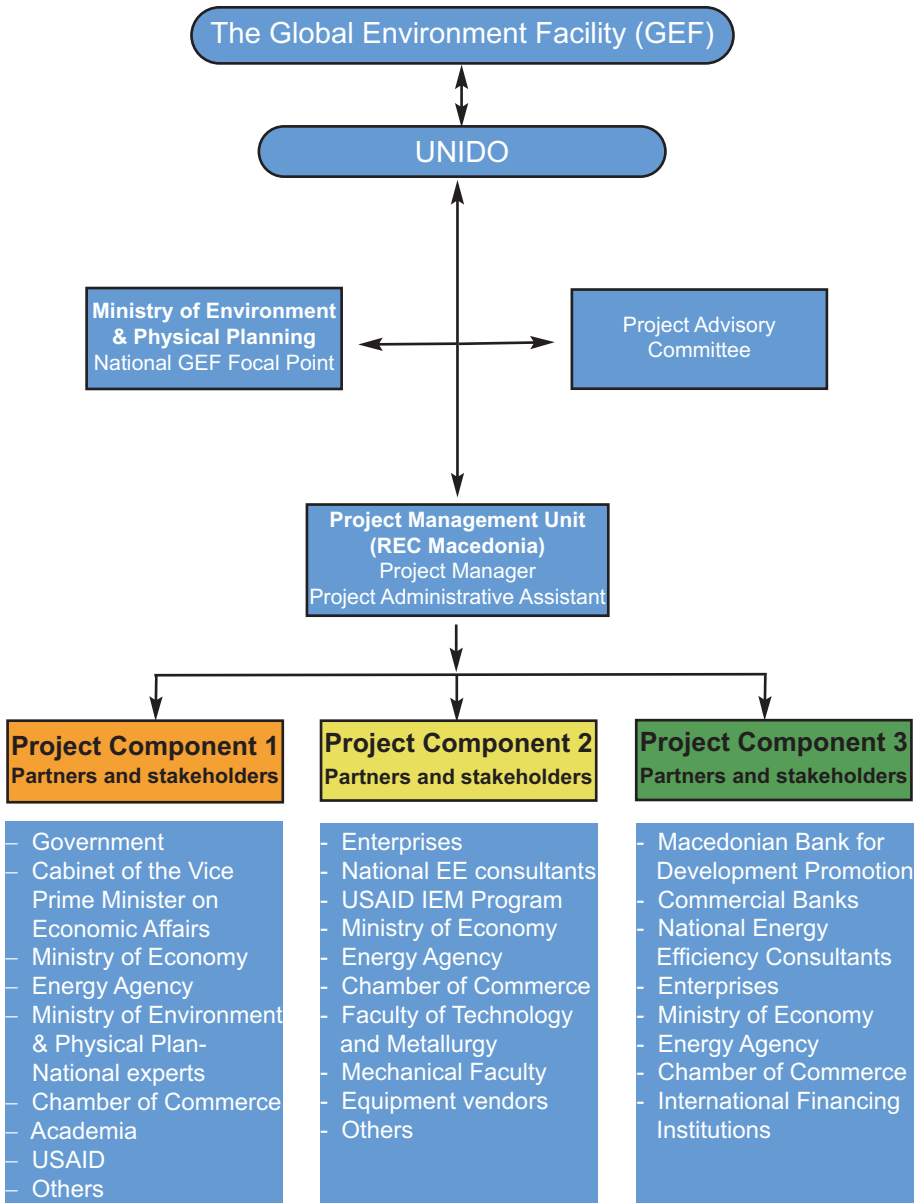
INCLUSIVE AND SUSTAINABLE INDUSTRIAL DEVELOPMENT

SOCIETY

ECONOMY

ENVIRONMENT

Project Implementation Structure



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