

UN organization	Energy-related programmes and activities	Funding and Operation	Coordination of Activities
<p>United Nations Industrial Development Organization (UNIDO)</p> <p>Gahit Gurkok:  <a href="mailto:cgurkok@unido.org">cgurkok@unido.org</a></p>	<p><a href="http://www.unido.org/">http://www.unido.org/</a></p> <p><u>I. Policies and mandates of the entity</u></p> <p>Energy and environment constitutes one of the most important thematic priorities in UNIDO's work programme. Implementation of international agreements is a key work area within its priority which includes assistance to developing countries and economies in transition in meeting the requirements of the UN Framework Convention on Climate Change and the Montreal Protocol. UNIDO is an implementing agency of the Multilateral Fund for Implementation of the Montreal Protocol and executes GEF projects in cooperation with UNDP.</p> <p><u>II. Overview of programmes and activities</u></p> <p><u>A. Energy Development</u></p> <p>Industry and energy is a central theme of UNIDO's work. UNIDO 's technical assistance programmes address both the supply side, through provision of energy for industry, and the demand side, by improving industrial energy end- use efficiency.</p> <p>Some 60-energy related projects are currently under way, supporting a broad series of initiatives at the policy, institutional and enterprise levels to increase efficiency in power generation and end use of energy, and to provide a solid foundation for the widespread introduction of renewable energy technologies.</p> <p><u>B. Energy supply</u></p> <p>UNIDO works with energy ministries and departments, utilities, and private energy companies to raise awareness of new and innovative ways of financing more efficient power generating capacity through build-own-operate(BOO) and build-own-transfer(BOT) schemes. This particularly concerns hydropower projects in Latin America and coal plants in Asia.</p> <p>UNIDO provides technical assistance to power authorities and industrial energy R&amp;D centers, focusing on clean coal and more energy-efficient technologies, improving access to gas supplies, and modern refinery technologies. In addition, UNIDO promotes the development of renewable energy technologies, including biomass, solar, wind, hydropower, hydrogen fuel systems and sources of marine energy.</p> <p>Given the importance of coal as a cost-effective energy resource in many developing countries, UNIDO is promoting the use of clean coal technology, such as increased application of coal beneficiation, gasification and fluidized bed combustion to increase operating efficiency and reducing emissions.</p> <p>In Africa UNIDO is promoting the use of biomass for industrial energy and supporting local manufacture of the necessary equipment for biomass conversion and use. UNIDO also encourages the development of the manufacturing sector devoted to renewable energy, such as the wind turbine industry in Egypt.</p> <p>To stimulate investment in renewable energy technologies, UNIDO disseminates information on the application of such energy sources as solar, wind and sustainable biomass. A specialized Center for the Application of Solar Energy (CASE) has been set up in Australia to provide an effective service to commercialize solar energy. The Center provides rapid and cost effective support and advice on technologies and markets giving entrepreneurs the confidence to invest in solar and other renewables.</p>	<p>UNIDO's total programme funding for its technical assistance in energy at any given time during the past ten years has been in the order of \$20 million divided equally between energy supply and industrial energy demand</p>	
<p>UNIDO (cont.)</p>	<p><u>C. Energy use</u></p> <p>Work focuses on technical assistance to improve industrial energy end use efficiency. This includes: energy auditing, provision of customized technical and cost information through experts' services, training, workshops and seminars, information packages including guidelines and manuals, feasibility studies and investment promotion. Primary focus is on energy intensive industries such as iron</p>		

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	<p>and steel, non-ferrous, pulp and paper, cement, glass and ceramics, petrochemicals, fertilizers, textiles and food processing.</p> <p>Methodological tools, including a spreadsheet-based, assessed inventory of energy efficient industrial technologies and processes (which includes both industry-specific as well as cross-cutting measures such as cogeneration), has been prepared by UNIDO. These tools have been developed in response to the need to provide sound technical and cost data to energy planners on the impact of accelerating the penetration of energy efficient industrial technologies in developing countries and countries with economies in transition on reducing both the costs of energy inputs and emissions of atmospheric pollutants including greenhouse gases. The tools can also be used by teams preparing National Communications to the COP of the Climate Convention as well as in the identification of activities which could be implemented jointly under the Climate Convention. well as in the identification of activities which could be implemented jointly under the Climate Convention.</p>	<p>Industrial sectors covered include iron &amp; steel, textile, paper &amp; pulp, glass, ceramics, cement, plastic and food processing</p>	