

TECHNICAL ASSISTANCE FOR BIOGAS PROJECTS

Biogas is produced from the anaerobic digestion of organic waste such as human waste, animal manure, food waste, and agricultural residue. The process generates biogas, a mixture of methane and carbon dioxide, which can be used as fuel for heating, cooking, and electricity generation. Biogas services have the potential to promote sustainable development and mitigate climate change by providing clean energy, improving waste and sanitation management, and supporting agriculture.



WHAT WE OFFER



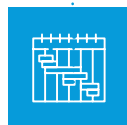
Biogas Project/Plant Feasibility Study

Comprehensive analysis to determine the viability of your biogas project as a waste-to-value solution considering technical, economic, and environmental aspects. Assessing required resources, including land, raw materials, labor, capital, and operational costs, the study provides you with a project summary, market analysis, technical options, financial projections, and recommendations for further action.



Technical Audit for Biogas Plant

Evaluation of your biogas plant's technical and operational aspects. Review of your plant's design and processes, equipment, and measurements of gas production, quality, and energy efficiency. The resulting report summarizes the findings and provides you with recommendations for enhancing your plant's performance and efficiency.



Capacity Building

Development and strengthening of technical, operational and business skills and know-how of your organization or individuals to ultimately support increased adoption and successful implementation of biogas technology and services.



Climate Finance

Identification and support to access suitable climate finance solutions to implement your climate-mitigation biogas project. Assessment of possible funding from financial resources from carbon standards, climate funds, governments, development banks, private sector entities, and others.



Emissions Trading

Lifecycle management of your biogas project, from the first idea to project registration and issuance of carbon credits for emissions trading. Evaluation and optimization of emission reduction by your biogas project. Trading of your carbon credits within UPM's extensive network of private and public carbon buyers and resellers.

UPM UMWELT-PROJEKT- MANAGEMENT GMBH



WHO WE ARE

UPM Umwelt-Projekt-Management GmbH (UPM) was established in Munich, Germany in 1991 with the mission to contribute to climate protection and sustainable energy production. In 2008 UPM established **UPM** Environment Engineering Project Management Consulting (Beijing) Co. Ltd, its subsidiary in China, to support client servicing and project development in Asia.

Today UPM Group is a solid corporate network specializing in climate change mitigation, adaptation, and sustainable development and is also a leading player in international carbon trading markets. It provides services based on a powerful combination of expertise, experience, and dedication to achieve its mission.



CARBON OFFSET SOLUTIONS SERVICES

From climate protection projects conception and development to carbon trading

UPM services include project development, carbon asset management, and consulting. With a diversified portfolio of more than 30 CDM, Gold Standard, and VER projects and PoAs, **UPM** offers a broad range of carbon credits in mandatory and voluntary markets. Altogether, these projects will save more than 28+ million tCO₂e and generate multiple co-benefits that will substantially improve the lives of millions of people. **UPM**'s service package covers the entire carbon offset value chain, particularly emphasizing sustainability contribution and verifiable co-benefits of projects.



CONSULTING SERVICES

From research and technical assistance to Renewable Energy & Waste-to-Value projects

UPM's technical assistance consulting services, built on more than 30 years of professional experience, successfully support clients in the public and private sectors to tackle energy, climate change, and sustainable development challenges. **UPM** collaborates with a well-established global network of the most reputable institutions and experts for renewable energy, waste management, sanitation, and rural development, providing teams of experts composed of qualified internal and external consultants as each project requires.

• Explore our Project Portfolio on our website <https://www.upm-cdm.eu>

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