

EnviroCare International Ltd.

Our Services to Help Build and Strengthen Your Company



☎ Contact Us Today

Envirocare International Ltd.

House 09 (Level 4), Road 06, Sector 12, Uttara, Dhaka

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Maximize Your Energy Efficiency with Energy Audit

In today's competitive industrial landscape, energy efficiency is no longer an option—it's a necessity. **Envirocare International Ltd.** proudly offers its flagship **Energy Assessment Service** to help industries, commercial facilities, and institutions **reduce energy costs, optimize operations, and boost sustainability.**

Why Choose Envirocare International Ltd.?

We stand out in Bangladesh's energy audit sector because:

- ✓ **Local Knowledge + Global Expertise** – Deep understanding of local energy regulations, tariffs, and operational realities combined with international best practices.
- ✓ **Certified, Experienced Auditors** – Led by highly skilled, SREDA-registered professionals.
- ✓ **Integrated Environmental Solutions** – We link your energy assessment to your wider environmental and sustainability goals.
- ✓ **Proven Results** – Our recommendations have consistently delivered measurable cost savings and operational improvements.



State-of-the-Art Equipment for Precision Auditing

Our **Energy Assessment** uses advanced tools to ensure accurate diagnostics and actionable insights:

- **High-precision power analysers & data loggers**– Track real-time energy use.
- **Infrared thermography cameras** – Identify insulation gaps, heat loss, and overheating equipment.
- **Flow meters & pressure sensors** – Measure steam, compressed air, and chilled water system efficiency.
- **Energy benchmarking software** – Compare your performance with industry standards.

Standards & Methodology We Follow

We conduct energy assessments in line with **internationally recognized protocols**, including:

- ✦ **ASHRAE Level I, II, III Audit Framework**
- ✦ **ISO 50001 Energy Management Principles**
- ✦ **IEA-EBC Annex 11 Best Practices**





Our Process Includes:

1. **Energy Data Analysis** – Reviewing utility bills and consumption patterns.
2. **On-Site Inspection** – Detailed evaluation of systems and equipment.
3. **Thermal Imaging & Diagnostics** – Detecting hidden inefficiencies.
4. **Energy Conservation Measure (ECM) Identification** – Targeted, feasible solutions.
5. **Financial Analysis & ROI Forecast** – Investment-grade recommendations.
6. **Implementation Roadmap** – Prioritized action plan for maximum impact.

Expected Outcomes for Your Business

- ✓ **Reduced Operational Costs** – Significant savings on your utility bills.
- ✓ **Enhanced Equipment Performance** – Longer lifespan and fewer breakdowns.
- ✓ **Compliance** – Meet SREDA and national regulatory requirements.
- ✓ **Sustainability Benefits** – Lower your environmental footprint.

Conclusion

With **Envirocare International Ltd.'s Energy Audit**, you're not just getting a service—you're gaining a **strategic partner** committed to **unlocking your energy savings potential** while supporting your operational excellence and environmental responsibility.



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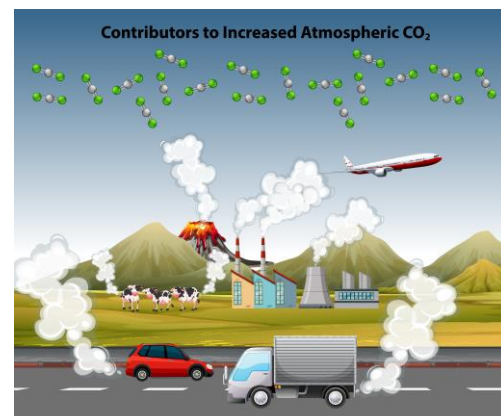




GHG Emission & Carbon Footprint Analysis

Your Partner on the Net Zero Journey
Provided by Envirocare International Ltd.

Climate change is shaping the future of every industry. Businesses today face growing pressure from customers, investors, and regulators to reduce their environmental impact. **Envirocare International Ltd.** is here to help you take measurable action with our **GHG Emission & Carbon Footprint Analysis** service—your gateway to a **sustainable, low-carbon future**



Why Choose Envirocare International Ltd.?

We lead the way in Bangladesh by offering **comprehensive, science-based carbon measurement services** that go beyond simple reporting:

- ✓ **Deep Local Insight + Global Expertise** – Understanding Bangladesh's industrial operations while applying **international climate protocols**.
- ✓ **Certified Experts** – Our environmental consultants are trained in **GHG Protocol, ISO 14064, and Life Cycle Assessment (LCA)** methodologies.
- ✓ **Integrated Climate Solutions** – We connect your carbon footprint data to your sustainability, compliance, and Net Zero strategies.
- ✓ **Proven Track Record** – Trusted by leading industries for precise and actionable climate data.

State-of-the-Art Technology & Skilled Expertise

We combine advanced equipment with analytical excellence:

- ◆ **Continuous emission monitoring systems (CEMS)** – Real-time GHG emission data from industrial processes.
- ◆ **Advanced gas analysers** – Accurate detection of CO₂, CH₄, N₂O, SF₆, and other GHGs.
- ◆ **Specialized software** – For carbon footprint modelling across **Scope 1, Scope 2, and Scope 3** emissions.
- ◆ **Highly trained auditors & climate specialists** – Experts in environmental data collection, verification, and climate risk assessment.

Standards & Methodology We Follow

Our services align with leading **global climate reporting frameworks**:

- ◆ **GHG Protocol Corporate Accounting & Reporting Standard**
- ◆ **ISO 14064-1:2018** – Quantification & reporting of GHG emissions
- ◆ **IPCC Guidelines for National Greenhouse Gas Inventories**
- ◆ **Science Based Targets initiative (SBTi)** alignment for Net Zero
- ◆ **CDP Climate Change Questionnaire** compliance





Our Process Includes:

1. **Activity Data Collection** – Fuel usage, electricity consumption, supply chain activities, process data.
2. **Emission Factor Application** – Applying globally recognized factors to calculate emissions.
3. **Carbon Footprint Analysis** – Measuring Scope 1, Scope 2, and Scope 3 emissions.
4. **Hotspot Identification** – Pinpointing key emission sources.
5. **Mitigation Strategy Development** – Creating tailored carbon reduction plans.
6. **Net Zero Pathway Mapping** – Long-term roadmap to achieve carbon neutrality.

Expected Outcomes & Net Zero Pathway

With our **GHG Emission & Carbon Footprint Analysis**, you will:

- ✓ **Understand Your Climate Impact** – Comprehensive emissions profile for your organization.
- ✓ **Meet Compliance & Reporting Needs** – Align with global standards and customer requirements.
- ✓ **Identify Reduction Opportunities** – Focus on high-impact areas to cut emissions.
- ✓ **Plan for Net Zero** – Practical, step-by-step decarbonization roadmap.
- ✓ **Enhance Reputation** – Show stakeholders your commitment to sustainability.

Conclusion

By partnering with **Envirocare International Ltd.**, you're not just measuring emissions—you're taking **strategic action** towards a resilient, low-carbon future. Our **GHG Emission & Carbon Footprint Analysis** equips you with the data, insights, and plan you need to **achieve Net Zero** and thrive in the green economy.

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✿ Environmental & Social Impact Assessment (ESIA)

Shaping Sustainable Projects for a Better Future

Provided by Envirocare International Ltd.

Sustainable development requires careful planning and responsible decision-making. At **Envirocare International Ltd.**, we provide world-class **Environmental and Social Impact Assessment (ESIA)** services to help industries, infrastructure developers, and organizations **identify, evaluate, and manage the potential environmental and social impacts of their projects**—ensuring both compliance and community trust.

Why Choose Envirocare International Ltd.?

We are among Bangladesh's most trusted ESIA consultants because:

- ✓ **Proven Experience** – Extensive track record across infrastructure, energy, industrial, and manufacturing projects.
- ✓ **Certified Experts** – Our team includes **skilled and approved environmental specialists**, social scientists, ecologists, hydrologists, and stakeholder engagement experts.
- ✓ **Integrated Approach** – We align ESIA with your project's design, compliance needs, and corporate sustainability goals.
- ✓ **Regulatory & International Compliance** – We meet both **Bangladesh DoE regulations** and **international safeguard standards** like ADB, IFC, World Bank, KFW etc.

State-of-the-Art Tools & Skilled Expertise

We combine advanced technology with multidisciplinary expertise to deliver accurate and actionable ESIA reports:

- ✦ **Air Quality Monitoring Stations** – Measure particulate matter and gaseous pollutants.
- ✦ **Noise & Vibration Monitoring Equipment** – Assess operational and construction impacts.
- ✦ **Water & Soil Testing Laboratories** – Analyze surface water, groundwater, and soil quality.
- ✦ **GIS & Remote Sensing Tools** – Map sensitive habitats, land use patterns, and project footprints.
- ✦ **Social Survey Tools** – Collect socio-economic and stakeholder perception data with accuracy.

Standards & Methodology We Follow

Our ESIA process is aligned with **national and global frameworks**:

- ✦ **Bangladesh Environmental Conservation Rules (ECR)**
- ✦ **ADB Safeguard Policy Statement (SPS)**
- ✦ **IFC Performance Standards on Environmental & Social Sustainability**
- ✦ **World Bank Environmental & Social Framework (ESF)**
- ✦ **ISO 14001 Environmental Management Principles**





Our ESIA Methodology Includes:

1. **Screening & Scoping** – Identify potential impacts and define assessment boundaries.
2. **Baseline Environmental & Social Studies** – Field surveys and community consultations.
3. **Impact Assessment** – Evaluate the significance of potential project impacts.
4. **Mitigation & Management Planning** – Propose practical, cost-effective measures.
5. **Stakeholder Engagement** – Transparent communication with communities and regulators.
6. **Monitoring & Reporting** – Ongoing compliance checks throughout project life cycle.

Expected Outcomes for Your Project

- ✓ **Regulatory Approval** – Ensure your project meets DoE requirements for ESIA clearance.
- ✓ **Reduced Project Risks** – Avoid costly delays and legal issues.
- ✓ **Positive Community Relations** – Gain social acceptance through proactive engagement.
- ✓ **Environmental & Social Compliance** – Align with national laws and global development bank standards.
- ✓ **Sustainable Development Pathway** – Integrate environmental stewardship and social responsibility into your project.

Conclusion

With **Envirocare International Ltd.'s ESIA service**, you gain a trusted partner who understands the balance between development and sustainability. Our assessments help you **minimize risks, protect the environment, respect communities, and ensure long-term project success.**

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Environmental & Social Management Plan (ESMP)

Your Roadmap to Sustainable, Compliant, and Responsible Projects

Provided by Envirocare International Ltd.

Successful projects don't just happen—they are **planned, managed, and monitored** to ensure they protect the environment, respect communities, and comply with national and international requirements. At **Envirocare International Ltd.**, we provide **Environmental and Social Management Plan (ESMP)** services that **translate Environmental & Social Impact Assessment (ESIA) recommendations into practical, actionable measures** to ensure your project is compliant, sustainable, and socially accepted.

Why Choose Envirocare International Ltd.?

We are one of Bangladesh's leading ESMP service providers because:

- ✓ **Proven Experience** – Successfully delivering ESMPs for infrastructure, industrial, energy, and development projects.
- ✓ **Certified & Multidisciplinary Experts** – Our team includes environmental engineers, ecologists, social scientists, and stakeholder engagement specialists.
- ✓ **Tailored Solutions** – We customize ESMPs to fit your project's sector, location, and operational needs.
- ✓ **Compliance & Risk Management** – We ensure you meet **DoE requirements** and international lender standards, avoiding costly delays and penalties.

State-of-the-Art Tools & Skilled Expertise

We combine advanced monitoring equipment with skilled professionals to implement effective ESMPs:

- ◆ **Air Quality Monitoring Units** – Track dust and gaseous emissions during construction and operations.
- ◆ **Noise & Vibration Monitoring Devices** – Identify and mitigate noise impacts on nearby communities.
- ◆ **Water & Soil Quality Testing Laboratories** – Monitor for pollution and contamination.
- ◆ **GIS & Mapping Tools** – Identify environmentally sensitive zones and track project footprints.
- ◆ **Social Engagement Platforms** – Digital tools for community consultation, grievance redress, and impact tracking.

Standards & Methodology We Follow

Our ESMPs align with **national regulations and global best practices**:

- ◆ **Bangladesh Environmental Conservation Rules (ECR)**
- ◆ **ADB Safeguard Policy Statement (SPS)**
- ◆ **IFC Performance Standards on Environmental & Social Sustainability**
- ◆ **World Bank Environmental & Social Framework (ESF)**
- ◆ **ISO 14001 Environmental Management Principles**





Our ESMP Process Includes:

1. **Risk & Impact Review** – Identify environmental and social risks from project activities.
2. **Mitigation Planning** – Develop detailed measures to avoid, minimize, or offset impacts.
3. **Monitoring & Measurement** – Define KPIs and methods for regular environmental and social monitoring.
4. **Roles & Responsibilities** – Assign accountability within your project team and contractors.
5. **Capacity Building & Training** – Train staff on ESMP compliance and environmental awareness.
6. **Reporting & Review** – Continuous reporting to regulators, financiers, and stakeholders.

Expected Outcomes for Your Project

- ✓ **Regulatory Compliance** – Meet DoE, ADB, IFC, and World Bank environmental and social safeguards.
- ✓ **Operational Efficiency** – Reduce risks, delays, and community conflicts.
- ✓ **Environmental Protection** – Minimize pollution, habitat disturbance, and natural resource depletion.
- ✓ **Social Acceptance** – Strengthen relationships with affected communities.
- ✓ **Long-Term Sustainability** – Ensure responsible operations throughout the project lifecycle.

Conclusion

With **Envirocare International Ltd.'s ESMP service**, you gain a **strategic partner** committed to helping your project succeed while meeting environmental and social responsibilities. We don't just deliver a document—we deliver a **living management plan** that ensures compliance, sustainability, and stakeholder trust from planning to completion.

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Advanced Environmental Modelling Solutions

From Air Quality to Climate Finance – Data-Driven Decisions for a Sustainable Future

Provided by Envirocare International Ltd.

In an era where environmental challenges and regulatory demands are growing, **accurate modelling** is essential for making informed, science-based decisions. **Envirocare International Ltd.** offers world-class **Environmental Modelling Services** that help industries, infrastructure developers, energy producers, and policymakers **predict, assess, and manage environmental impacts with precision.**

Our Environmental Modelling Expertise

We specialize in a wide range of modelling applications, including:

- ✦ **Air Dispersion Modelling** – Predict air pollutant dispersion patterns to ensure compliance with air quality standards.
- ✦ **ALOHA Model** – Assess chemical spill or accidental release scenarios for emergency preparedness.
- ✦ **Noise Modelling** – Map and predict noise propagation to design effective noise control measures.
- ✦ **Thermal Water Plume Modelling** – Analyse temperature effects of water discharges into aquatic systems.
- ✦ **Landfill Methane Emission Modelling** – Estimate and manage methane emissions from waste disposal sites.
- ✦ **Climate & Economic Models** – Integrate environmental, economic, and climate finance projections to guide sustainable investments.

Why Choose Envirocare International Ltd.?

We stand apart from other service providers because:

- ✓ **Comprehensive Capability** – From environmental impact prediction to climate finance modelling, all under one roof.
- ✓ **Multidisciplinary Expertise** – Our team includes environmental engineers, climate finance specialists, data scientists, and public health experts.
- ✓ **Global Standards, Local Relevance** – We align with **international modelling protocols** while adapting to **Bangladesh's environmental context.**
- ✓ **Actionable Insights** – We don't just deliver models—we provide practical recommendations for environmental, safety, and sustainability improvements.

State-of-the-Art Tools & Skilled Experts

Our modelling services are backed by:

- ✦ **Specialized Environmental Modelling Software** – AERMOD, CALPUFF, ALOHA, SoundPLAN, CORMIX, SWAT, and IPCC-aligned methane modelling tools.
- ✦ **High-Resolution Meteorological Data & GIS Systems** – For accurate environmental mapping and simulation.





- ◆ **Advanced Computing Platforms** – High-speed processing for complex, multi-scenario models.
- ◆ **Certified & Experienced Professionals** – Experts in air quality, noise control, aquatic systems, waste-to-energy feasibility, and climate finance analysis.

Standards & Methodology We Follow

Our modelling work adheres to **recognized national and international frameworks**:

- ✦ **USEPA Guidelines for Air Quality Models**
- ✦ **US NOAA ALOHA Chemical Release Modelling Standards**
- ✦ **ISO 9613-2 for Noise Modelling**
- ✦ **World Bank & IFC Environmental, Health & Safety Guidelines**
- ✦ **IPCC Methodologies for GHG & Methane Emission Modelling**
- ✦ **Climate Finance Frameworks – GCF, SBTi, and TCFD**

Our Process Includes:

1. **Data Collection & Validation** – Meteorological, topographical, environmental, and operational data.
2. **Model Development & Simulation** – Using best-fit modelling tools for project objectives.
3. **Impact Prediction & Risk Assessment** – Identifying high-risk areas and critical exposure points.
4. **Mitigation Strategy Formulation** – Practical measures to minimize adverse impacts.
5. **Integration with Climate Finance** – Linking results to sustainability investment opportunities.

Expected Outcomes & Benefits

With our Environmental Modelling Services, you will:

- ✓ **Control Pollution & Protect Public Health** – Prevent harmful exposure to pollutants.
- ✓ **Enhance Workplace & Community Safety** – Preparedness for chemical, thermal, and noise risks.
- ✓ **Optimize Waste-to-Energy Projects** – Maximize methane capture and renewable energy recovery.
- ✓ **Secure Climate Finance** – Strengthen proposals for funding from GCF, World Bank, and other climate financiers.
- ✓ **Comply with Regulations** – Meet Bangladesh DoE and international lender requirements.

Conclusion

Envirocare International Ltd. is your **trusted partner** for advanced environmental modelling that integrates **pollution control, safety management, renewable energy potential, and climate finance strategies**. Our science-driven approach ensures you have the **insights, tools, and confidence** to make sustainable decisions for your projects and your community.

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✿ Comprehensive Environmental Monitoring Program

Accurate Data. Informed Decisions. Sustainable Future.

Provided by Envirocare International Ltd.

Effective environmental management begins with **accurate monitoring**. At **Envirocare International Ltd.**, we deliver a full range of **Environmental Monitoring Services** to help industries, infrastructure developers, energy producers, and regulators **assess, control, and improve environmental performance** while ensuring compliance with both national and international standards.

Our Environmental Monitoring Services Include:

- ✦ **Air Quality Inspection & Testing** – Ambient air and workplace air quality monitoring.
- ✦ **Stack Air Emission Monitoring** – Measuring industrial flue gas emissions for compliance.
- ✦ **Noise & Vibration Inspection** – Assessing impacts on workers and communities.
- ✦ **Water Quality Testing** – Surface water, groundwater, and wastewater analysis.
- ✦ **Soil Quality Testing** – Detecting contamination and assessing remediation needs.
- ✦ **Biodiversity Assessment** – Evaluating impacts on flora and fauna.
- ✦ **IBAT (Integrated Biodiversity Assessment Tool) Analysis** – Screening for sensitive habitats.
- ✦ **Meteorological Monitoring** – On-site weather and climate data collection.
- ✦ **GIS & Remote Sensing Analysis** – Spatial mapping of environmental features and impacts.

Why Choose Envirocare International Ltd.?

We stand out from the competition because:

- ✓ **One-Stop Environmental Solution** – All monitoring services under one roof.
- ✓ **State-of-the-Art Equipment** – Precision instruments for reliable results.
- ✓ **Multidisciplinary Experts** – Certified environmental scientists, engineers, ecologists, and GIS specialists.
- ✓ **Regulatory & International Compliance** – Aligning with DoE, IFC, ADB, and World Bank environmental guidelines.
- ✓ **Action-Oriented Results** – Turning monitoring data into practical environmental management strategies.

State-of-the-Art Tools & Skilled Expertise

Our monitoring programs are powered by advanced technology and professional expertise:

- ✦ **Air Quality Monitors & Gas Analyzers** – Measuring PM_{2.5}, PM₁₀, SO₂, NO_x, CO, O₃, and VOCs.
- ✦ **Stack Emission Monitoring Systems** – Real-time flue gas analysis (CEMS).
- ✦ **Sound Level & Vibration Meters** – High-precision noise and vibration assessment.
- ✦ **Water & Soil Analysis Labs** – Modern testing facilities for physical, chemical, and biological parameters.
- ✦ **Biodiversity Survey Tools** – Drone-assisted habitat mapping, species identification kits.
- ✦ **GIS & Remote Sensing Platforms** – Spatial data processing and environmental mapping.





Standards & Methodology We Follow

Our monitoring programs are aligned with:

- ✦ Bangladesh Environmental Conservation Rules (ECR)
- ✦ USEPA Reference Methods
- ✦ World Health Organization (WHO) Guidelines
- ✦ IFC Environmental, Health & Safety Guidelines
- ✦ ISO 14001 Environmental Management Principles

Our Process Includes:

1. **Project-Specific Monitoring Plan** – Tailored to industry and regulatory needs.
2. **Field Data Collection** – Using calibrated, high-accuracy instruments.
3. **Laboratory Analysis** – Accredited lab testing and validation.
4. **Data Interpretation & Impact Assessment** – Linking results to compliance thresholds.
5. **Mitigation & Management Recommendations** – Practical actions for improvement.
6. **Regulatory Reporting** – Ready-to-submit reports for DoE and other authorities.

Expected Outcomes & Benefits

- ✓ **Environmental Pollution Control** – Identify and address pollution sources.
- ✓ **Health & Safety Management** – Protect workers and nearby communities.
- ✓ **Regulatory Compliance** – Meet DoE and international funding requirements.
- ✓ **Improved Corporate Sustainability** – Strengthen ESG performance and brand reputation.

Conclusion

With **Envirocare International Ltd.'s Environmental Monitoring Program**, you get more than just data—you get **actionable insights** that help you **protect the environment, ensure compliance, and enhance operational sustainability**. From air and water to biodiversity and climate analysis, we are your **trusted partner for responsible environmental management**.

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Comprehensive Management System Development

Building Sustainable, Compliant & High-Performing Organizations

Provided by Envirocare International Ltd.

In today's competitive and sustainability-driven market, a **strong management system is the foundation of operational excellence**. At **Envirocare International Ltd.**, we provide **end-to-end Management System Development Services** to help your organization meet **international standards, regulatory requirements, and corporate sustainability goals**—while improving performance, reducing risks, and enhancing brand reputation.

Our Management System Development Expertise

We design, develop, and implement world-class management systems across key operational areas:

- ◆ **Environmental Management System (EMS)** – ISO 14001:2025, ILO Guidelines, HIGG Index, BEPI & sustainability frameworks.
- ◆ **Health & Safety Management System (OHSMS)** – ISO 45001:2018, ILO Guidelines, OSHA standards.
- ◆ **Energy Management System (EnMS)** – ISO 50001:2015, PACT, SBTi, and other sustainable energy protocols.
- ◆ **Quality Management System (QMS)** – ISO 9001:2015 for consistent quality and customer satisfaction.
- ◆ **Chemical Management System** – GHS (Globally Harmonized System) for safe chemical handling and compliance.
- ◆ **Waste Management System** – 5S, 7 Waste, 3R principles, and circular economy approaches.
- ◆ **ESG Implementation** – GRI, CFA, and approved sustainability reporting standards.

Why Choose Envirocare International Ltd.?

We stand apart in Bangladesh's management system consultancy sector because:

- ✓ **Holistic Solutions** – We cover environment, health & safety, energy, quality, chemical, waste, and ESG systems under one roof.
- ✓ **International Expertise** – Deep understanding of both **global best practices** and **local compliance requirements**.
- ✓ **Proven Track Record** – Successfully developed systems for leading industries across textiles, manufacturing, energy, and infrastructure.
- ✓ **Capacity Building** – We don't just design systems—we train your people to manage and sustain them.

State-of-the-Art Tools & Skilled Expertise

Our management system development process is supported by:

- ◆ **Digital Auditing & Gap Analysis Tools** – For accurate baseline assessments.
- ◆ **Environmental Monitoring & Measurement Instruments** – For EMS & EnMS compliance.





- ◆ **Health & Safety Inspection Devices** – For workplace safety risk assessment.
- ◆ **Energy Monitoring Equipment** – For real-time consumption tracking.
- ◆ **Certified Experts** – ISO lead auditors, environmental engineers, energy managers, safety specialists, and sustainability consultants.

Standards & Methodology We Follow

Our services align with **global and national standards**:

- ✦ ISO 14001, 45001, 50001, 9001
- ✦ ILO, OSHA, BEPI, HIGG, GHS
- ✦ GRI, CFA, SBTi, PACT
- ✦ 5S, 7 Waste, 3R Waste Management Principles

Our Development Process Includes:

1. **Gap Assessment** – Identifying gaps between current practices and target standards.
2. **System Design** – Tailored policies, procedures, and documentation.
3. **Implementation Support** – Step-by-step guidance during roll-out.
4. **Training & Awareness** – Capacity building for employees and managers.
5. **Internal Auditing & Fine-Tuning** – Ensuring readiness for certification and ongoing improvement.

Expected Outcomes & Benefits

- ✓ **Environmental Pollution Control** – Minimized environmental impact through EMS and waste management.
- ✓ **Improved Health & Safety** – Reduced workplace accidents and hazards.
- ✓ **Energy & Resource Efficiency** – Lower operating costs and carbon footprint.
- ✓ **Waste Reduction & Circular Practices** – Less landfill waste, more resource recovery.
- ✓ **Regulatory Compliance** – Meet Bangladesh DoE, ILO, and global certification requirements.
- ✓ **Enhanced Market Competitiveness** – Certification and sustainability credentials improve client trust and market access.

Conclusion

With **Envirocare International Ltd.'s Management System Development Services**, you gain more than compliance—you gain a **framework for continuous improvement, operational efficiency, and long-term sustainability**. Our tailored approach ensures that your systems are **practical, effective, and aligned with your business goals**.

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Waste-to-Energy, Industrial Effluent Solutions & Circular Economy Consultancy

Transforming Waste into Value, Protecting Water Resources, Driving Sustainability

Provided by Envirocare International Ltd.

Industrial growth brings both opportunities and environmental responsibilities. At **Envirocare International Ltd.**, we provide **end-to-end consultancy services** to help industries, municipalities, and infrastructure projects **turn waste into energy, establish world-class wastewater treatment systems, and adopt circular economy principles** that reduce environmental impact while increasing efficiency and profitability.



Our Consultancy Services Include

- ◆ **Waste-to-Energy (WtE) Implementation** – Feasibility studies, technology selection, and operational guidance to convert municipal solid waste, biomass, and industrial residues into electricity, heat, and alternative fuels.
- ◆ **Renewable Energy** – Consultation on design and calculation.
- ◆ **Effluent Treatment Solutions** –
 - **ETP** – Effluent Treatment Plant design and optimization.
 - **WWTP** – Wastewater Treatment Plant planning and commissioning.
 - **ATP** – Advanced Treatment Plant integration for high-quality discharge.
 - **STP** – Sewage Treatment Plant for domestic and industrial sewage.
 - **ZLD** – Zero Liquid Discharge systems for complete wastewater recovery.
- ◆ **Circular Economy Implementation** – Resource recovery, waste minimization, product life-cycle extension, and material reuse strategies.
- ◆ **Waste Characterization & Resource Mapping** – Identifying energy and material recovery opportunities.
- ◆ **Climate Finance & Regulatory Advisory** – Linking projects with funding opportunities from **GCF, carbon markets, and sustainability investment programs** while ensuring compliance with **DoE regulations**.

Why Choose Envirocare International Ltd.?

Key Strength	Description
Integrated Environmental Solutions	Waste, water, and resource management delivered by a unified expert team.
Multidisciplinary Expertise	Team includes engineers, environmental scientists, waste management experts, and sustainability strategists.
Global Best Practices, Local Knowledge	Internationally proven methods tailored to Bangladesh's industrial and environmental needs.
Proven Track Record	Successfully executed projects in sectors such as textiles, manufacturing, food processing, energy, and municipal services.
Financing Support	Expertise in developing bankable projects aligned with climate funds and green financing requirements.





State-of-the-Art Tools & Skilled Expertise

- ◆ **Waste & Effluent Analysis Laboratories** – Testing for calorific value, moisture, pollutants, and chemical composition.
- ◆ **Energy & Treatment Simulation Software** – Modelling plant efficiency and treatment performance.
- ◆ **GIS & Remote Sensing Platforms** – Mapping waste generation, water flow, and resource recovery hotspots.
- ◆ **Process Optimization Tools** – Ensuring maximum efficiency in treatment plants and energy recovery systems.
- ◆ **Certified Specialists** – ISO-trained environmental engineers, wastewater treatment experts, waste-to-energy consultants, and climate finance advisors.

Standards & Methodology We Follow

- ◆ Bangladesh Environmental Conservation Rules (ECR)
- ◆ UNEP Waste-to-Energy Implementation Guidelines
- ◆ EU Waste Framework Directive
- ◆ ISO 14001 Environmental Management Principles
- ◆ IPCC Guidelines for Waste & Methane Emissions
- ◆ World Bank & IFC Environmental, Health & Safety Guidelines

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Our Process Includes:

1. **Feasibility & Resource Assessment** – Identifying energy potential and treatment needs.
2. **Technology Selection & Design** – Matching the best technology to waste and effluent characteristics.
3. **Implementation Roadmap** – Step-by-step execution plan for construction and operation.
4. **Capacity Building** – Training your team for effective operation and maintenance.
5. **Monitoring & Optimization** – Performance evaluation for continuous improvement.

Expected Outcomes & Benefits

- ✓ **Environmental Pollution Control** – Reduced water contamination, air emissions, and landfill waste.
- ✓ **Sustainable Development** – Renewable energy from waste and efficient resource use.
- ✓ **Waste Reduction & Resource Recovery** – Transforming waste into valuable inputs.
- ✓ **Regulatory Compliance** – Meeting DoE discharge limits and global environmental standards.
- ✓ **Climate Impact Reduction** – Lower methane and carbon emissions.

Conclusion

With **Envirocare International Ltd.'s Consultancy Services**, your organization can achieve **waste-to-value transformation**, world-class **water treatment systems**, and a **circular economy approach** that delivers **economic, environmental, and social benefits**. We provide the expertise, technology, and strategies you need to make your operations **profitable, compliant, and sustainable**.





ISO Audit & Certification Services



Certified Excellence for Global Competitiveness

Provided by TCCPL India (UAF Accredited) & Locally Operated by Envirocare International Ltd.

In today's competitive global market, **ISO certification is more than a badge—it's a mark of quality, credibility, and trust.** At **Envirocare International Ltd.**, in partnership with **TCCPL India**, a **UAF-accredited certification body**, we provide **professional auditing and certification services** for organizations aiming to achieve and maintain internationally recognized management system standards.

Our ISO Certification Programs

◆ ISO 9001:2015 – Quality Management System

Ensuring consistent product and service quality, customer satisfaction, and operational excellence.

◆ ISO 14001:2015 – Environmental Management System

helping organizations manage environmental responsibilities, reduce impacts, and comply with regulations.

◆ ISO 45001:2018 – Occupational Health & Safety Management System

promoting a safe and healthy workplace, reducing accidents, and improving employee well-being.

◆ ISO 50001:2018 – Energy Management System

Enhancing energy efficiency, reducing costs, and supporting sustainable energy practices.

Why Choose Envirocare International Ltd.?

- ✓ **Accredited Excellence** – Delivered in partnership with **TCCPL India**, a **UAF-accredited** certification body recognized internationally.
- ✓ **Local Expertise, Global Standards** – Local operations managed by **Envirocare International Ltd.**, ensuring both compliance with international standards and alignment with Bangladesh's industrial context.
- ✓ **Highly Skilled Auditors** – Certified, experienced auditors with in-depth knowledge of industry best practices.
- ✓ **Full-Cycle Support** – From gap analysis and pre-audit preparation to certification and surveillance audits.
- ✓ **Value-Added Auditing** – Focused not only on compliance but also on performance improvement.

Our Skilled Auditors & State-of-the-Art Approach

Our audit team consists of **ISO-certified lead auditors, environmental and quality management specialists, safety professionals, and energy managers** who bring a wealth of industry experience.





- ◆ **Competency Across Multiple Sectors** – Manufacturing, textiles, construction, food processing, energy, services, and more.
- ◆ **Structured Audit Methodology** – Aligned with ISO guidelines and UAF accreditation requirements.
- ◆ **Process-Oriented Audits** – Assessing effectiveness, efficiency, and continual improvement.
- ◆ **Risk-Based Thinking** – Evaluating compliance risks, performance gaps, and improvement opportunities.

Standards & Methodology We Follow

- ✦ **ISO/IEC 17021 – Conformity Assessment**
- ✦ **UAF Accreditation Requirements**
- ✦ **ISO Audit & Certification Best Practices**
- ✦ **International & National Compliance Standards**

Our Audit Process Includes:

1. **Pre-Audit Consultation** – Understanding your operations and objectives.
2. **Stage-1 Audit** – Document review and readiness assessment.
3. **Stage-2 Audit** – On-site verification of system implementation.
4. **Certification Decision** – Awarding ISO certification upon successful compliance.
5. **Surveillance Audits** – Periodic checks to maintain certification validity.

Expected Outcomes & Benefits

- ✓ **Environmental Pollution Control** – Through ISO 14001 and sustainable practices.
- ✓ **Improved Workplace Safety** – Through ISO 45001 implementation.
- ✓ **Operational Excellence** – Through ISO 9001 quality standards.
- ✓ **Energy Efficiency & Cost Savings** – Through ISO 50001 energy management.
- ✓ **Regulatory Compliance** – Meeting DoE, ILO, OSHA, and international requirements.
- ✓ **Global Recognition & Market Access** – ISO certification opens doors to global business opportunities.

Conclusion

With **Envirocare International Ltd.** and **TCCPL India**, you receive **globally recognized ISO certification services** backed by **UAF accreditation**, **local expertise**, and **value-driven auditing**. We go beyond certification—we help you build **sustainable, compliant, and high-performing management systems**.

📞 Contact Us Today

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