



Asia

Mongolia

Support to Mongolia's Quality Infrastructure
with Particular Regard to the Energy Sector

Objective	This project fosters the improvement of Mongolia's quality infrastructure in the energy sector. Its objective is to improve quality assurance services in metrology as well as to develop standards and technical regulations that are compliant with international requirements.	
Approach	<p>Energy efficiency and ecological sustainability can only be achieved if reliable quality infrastructure services are provided. To improve the services of the Mongolian quality infrastructure in the energy sector, our project is focussing on three areas: Firstly, the capabilities of national metrology reference laboratories will be consolidated with regard to their basic electrical quantities. Secondly, relevant standards for the energy and electrotechnical sectors will be developed in line with international best practices. Attention will be paid to improving the quality, applicability and consistency of standards and regulations. Thirdly, the framework conditions for the approval and performance of reliable consumption measurements will be enhanced.</p> <p>Overall support will be given to the elaboration and implementation of sectoral strategies. The project will also increase the competencies of national quality infrastructure institutions to act as service providers and to regulate and assure quality in the energy sector. Other stakeholders in the energy sector will be exposed to awareness-raising measures on the benefits of actively participating in standardization processes, of using the services offered and of applying the technical documents that have been drawn up.</p> <p>The components of support encompass consultation measures to accompany strategies and processes, advanced training, benchmarking measures and networking with regional and international partners and organisations.</p>	
Impact	<p>Our project is contributing to achieving Sustainable Development Goal 7 of the 2030 Agenda: "Ensure access to affordable, reliable, sustainable and modern energy for all". Improving processes and quality when introducing international standards for the energy sector will enhance the compatibility of components, products and systems and increase their actual use. Expanding the measurement and testing capacities in the energy sector – thereby increasing the potential for controlling energy supply and distribution – will have a positive impact on the sector's efficiency. Reliable consumption measurements will provide the basis for introducing energy-saving measures at the industrial and household levels. In this way, our project will contribute to providing and using economically and ecologically sustainable energy, and to reducing CO₂ emissions.</p> <p>Besides the energy sector, other fields of Mongolian industry will also benefit from improved standardization processes and from the enhanced offer of metrological services. By reliably determining energy consumption, a contribution to consumer protection and distributive justice will be made. The improvement of legal framework conditions in line with international best practices will lead to advanced support and surveillance mechanisms and make government action more transparent.</p>	
Cooperation	This project forms an integral part of the German development cooperation programme on energy efficiency. Our cooperation partners include KfW and GIZ, as well as technical network partners of PTB such as the German Commission for Electrical, Electronic & Information Technologies (DKE), the International Electrotechnical Commission (IEC) and other organisations relevant for the energy sector.	
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