



Mongolia

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

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| Objective | <p>This project is fostering the improvement of Mongolia's quality infrastructure in the energy sector in close cooperation with the Mongolian Agency for Standardization and Metrology (MASM). Its objectives are to improve quality assurance services in metrology and to strengthen the capacities of standardization bodies to develop standards and technical regulations related to energy efficiency.</p> | |
| 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, the project is focused on three areas: First, the capabilities of national metrology reference laboratories will be consolidated regarding their basic electrical quantities. Second, relevant standardization bodies in the energy and electro-technical sectors will be supported in their aim of working according to international good practices. Special attention will be paid to improving the quality, applicability and consistency of standards and regulations. Third, awareness-raising measures will result in stakeholders being more aware of the importance of quality infrastructure services in the energy sector.</p> <p>Overall support will be given to developing and implementing strategies on quality infrastructure services linked to the sector of energy efficiency such as metrology and standardization. The project will also increase the competencies of national quality infrastructure institutions to act as service providers and to regulate and ensure 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, using the services offered and 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, interlaboratory comparisons and networking with regional and international partner organizations.</p> | |
| Impact | <p>The 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 will increase their actual use. Expanding 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, the project will contribute to providing and using economically and ecologically sustainable energy and to reducing CO₂ emissions. Besides the energy sector, other fields of Mongolian industry will also benefit from improved standardization processes and the enhanced offer of metrological services. By reliably determining energy consumption, a contribution to consumer protection and distributive justice will be made. Moreover, the analysis of energy utilization will prompt a renewed focus on resource consumption. The improved legal framework conditions in line with international best practices will lead to advanced support and surveillance mechanisms and make governance more transparent.</p> | |
| Cooperation | <p>This project forms an integral part of the German development cooperation program on energy efficiency. The cooperation partners include KfW and GIZ, as well as technical network partners of PTB such as the DKE German Commission for Electrical, Electronic & Information Technologies of DIN and VDE, and other organizations relevant for the energy sector.</p> | |
| Financing | <p>Federal Ministry for Economic Cooperation and Development (BMZ), Germany</p> | |
| Term | <p>2019–2023</p> | |
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