



Mexico

Quality Infrastructure for Renewable Energy and Energy Efficiency

Objective	The project aims at promoting the institutions of the Quality Infrastructure (QI) in order to enable them to offer a larger number and a wider range of services. At the same time, it has to be ensured that these services comply with the national policies in the fields of renewable energies and energy efficiency.
Approach	The project focuses on six spheres of activities: quality assurance of photovoltaic installations, quality assurance of solar heating systems, quality assurance of LEDs (Light Emitting Diodes), energy quality in electric power systems, introduction of energy management systems in companies, as well as the development of an international cooperation department in CENAM. The activities offered by the project are: training of technical and managerial staff at PTB and other leading QI institutions of the world, technical consultancy by short-term experts, organisation of seminars, conferences, proficiency testing, intercomparisons, workshops and study trips. The Steering Committee of the project comprises the General Directorate of Standards (DGN), the Ministry of Energy (SENER), the National Commission for the Efficient Use of Energy (CONUEE), the National Metrology Centre (CENAM), the Mexican Accreditation Body (ema), the Standardisation and Certification Association, A.C. (ANCE), the Electronic Standardization and Certification S.C. (NYCE), the Mexican Association for Standardization and Certification S.C. (NORMEX) and PTB.
Impact	The direct benefit expected from the project is the strengthening of all elements constituting the Quality Infrastructure: the energy networks have reliable measurements at their disposal to ensure the traceability to national standards. This improves the reliability and stability of the networks which supply more and more renewable energy. The comparability of the tests, which are suitable to determine the efficiency and safety, is improved, the relation to standards and international procedures is clarified, the established requirements can be verified more reliably, the energy saving prognoses are more realistic. Calibration and testing laboratories, verification units and certification bodies in the field of energy efficiency and renewable energy offer reliable services. This promotes energy efficiency and provides a better certainty for the operation of new photovoltaic facilities, solar heating systems and the systems used by the domestic and industrial sector (LEDs, thermo-solar heaters, etc.). In addition, energy saving in industrial buildings is promoted by the assistance in the implementation of energy management systems. This way, the project contributes to the promotion of clean energies through the cooperation between national actors and international networks of the same technical field. The project is in line with the objectives of the Mexican government and with the Mexican-German programme "Sustainable Energy in Mexico". Furthermore, it strengthens the technical services of CENAM in the field of international technical assistance.
Cooperation	The project constitutes a module within the scope of the Mexican-German programme "Sustainable Energy in Mexico". In this way, it complements the modules which are already being executed within the scope of the programme by GIZ and KfW.
Financing	Federal Ministry for Economic Cooperation and Development (BMZ)
Duration	2013 – 2017
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