



Ghana

Establishment of a Fit-for-Future National Metrology Institute II

Objective	<p>The project seeks to strengthen the capacities of the Ghana Standards Authority (GSA), with an emphasis on the establishment of a internationally recognized National Metrology Institute (NMI) that will be self-sustaining in the future. The project seeks to enable GSA to deliver essential metrological services that address the growing demands of industry and facilitate international trade. Additionally, it aims to enhance measurement capabilities to satisfy the needs of the scientific community, while also reinforcing consumer protection.</p>	
Approach	<p>A National Metrology Institute (NMI) is crucial for ensuring that a country can perform accurate and reliable measurements. As globalisation continues to advance, the need for international comparability and precise measurements is becoming increasingly important. Through the establishment of a “fit-for-future” NMI in Ghana, this project aims to enhance the country’s measurement capabilities, thereby eventually boosting productivity and strengthening the competitiveness of both the local and regional economies.</p> <p>Building on a comprehensive needs assessment, state-of-the-art metrology laboratories will be developed, leveraging the Ghana Standards Authority’s (GSA) existing expertise. These facilities will provide improved metrological services to industries and businesses in the country and the ECOWAS region. A key focus of the project is the transfer of scientific and technical metrological knowledge, which is facilitated through international exchanges and study visits to Germany’s National Metrology Institute (PTB) as well as other NMIs.</p>	
Impact	<p>The fit-for-future NMI will provide local companies and research institutions in Ghana and the ECOWAS region with access to a wider range of metrological services. Measurements in Ghana will be traceable to national standards, with results internationally recognised—two vital milestones for the acceptance of Ghanaian products and services in both regional and global markets. This will enhance productivity, competitiveness, and export potential across sectors such as oil and gas, agriculture, construction, automotive, health, and the environment, all of which are experiencing growing demand for metrological services.</p> <p>Ghana’s share of high-quality products in local and regional markets is rising, leading to sustainable job creation and positive social and economic impacts (aligned with Sustainable Development Goal 8). Additionally, a stronger legal metrology system will improve fraud prevention and consumer protection, benefiting all consumers in Ghana. Overall, the project will enhance the investment climate for both domestic and foreign companies, fostering industrial development and consumer protection.</p>	
Cooperation	<p>The Ministry of Trade, Agribusiness and Industry (MoTAI) is the political partner of the project. However, the module is also relevant for environmental, scientific, agricultural and health policy. The Ghana Standards Authority (an agency under MoTAI) is the central implementation partner.</p>	
Financing	<p>Federal Ministry for Economic Cooperation and Development (BMZ)</p>	
Term	<p>2024–2027</p>	
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