As an international cooperation enterprise for sustainable development with worldwide operations, the government owned Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH operates on behalf of German Ministry of Environment. GIZ has a record of more than 60 years working in Thailand.

For the **Thai-German Cooperation on Energy, Mobility, and Climate (TGC EMC) programme,** we are currently looking for **Smart Grid Expert**.

Smart Grid Expert

A. Background

Thailand has committed to achieving greenhouse gas (GHG) net-zero emissions by 2050, reflecting a national priority in alignment with global climate goals and strengthen long-term economic growth. At the central to this endeavor is the energy transition as the Thai energy sector is a major source of emissions and, at the same time, is a critical lever for decarbonization. Recent geopolitical tensions have triggered volatility in global energy markets and highlighted Thailand's vulnerability to external supply disruptions and price shocks. The energy transition is no longer optional but a foundational pillar for driving sustainable growth, enhancing energy security, and maintaining international competitiveness.

This transition extends beyond increasing renewable energy capacity on the supply side; it requires a systemic transformation of the entire energy ecosystem, including demand-side management, infrastructure modernization, and sector coupling. Key enablers such as smart grid technologies, sustainable aviation fuels (SAF), and robust digital infrastructure will play a vital role in optimizing energy use, integrating variable renewable sources, and supporting low-carbon industrial and transport systems.

The **Thai-German Cooperation on Energy, Mobility, and Climate (TGC EMC)** is a five-year programme funded by the German Federal Ministry for the Environment, Climate Action, Nature Conservation, and Nuclear Safety (BMUKN) under the International Climate Initiative (IKI). The programme aims to strengthen the capacity of key Thai stakeholders to plan and implement cross-sectoral transformation, including energy transition, sustainable transport, and industrial decarbonization, in support of Thailand's climate targets. TGC EMC is structured around five components: (1) Renewable Energy, (2) Industrial Sector, (3) Transportation, (4) Biomass, and (5) Climate Finance. For more project information, please refer to https://www.thai-german-cooperation.info/thai-german-cooperation-on-energy-mobility-and-climate-tgc-emc/)

To support the implementation of TGC EMC Renewable Energy (RE) component, GIZ is seeking an **Smart Grid Expert** to join the team. The selected candidate will primarily contribute to the TGC EMC RE component and report directly to the Component Lead. Depending on project needs and availability, the role may also provide support to other energy-related initiatives within the GIZ Thailand portfolio.

B. Responsibilities

The Smart Grid Expert will report directly to TGC EMC RE Component Lead and work together with other TGC EMC RE team and will be responsible for the following areas:

B1. Project Management Function

- Plan, manage, track, and delivered project deliverables as assigned by TGC EMC RE Component Lead (e.g., project conceptualization and planning, tracking progress and reporting, documentation, etc.)
- Engage with stakeholders to elaborate their needs and requirements on the assigned activities
- Keep records of key information on the assigned activities (e.g., project schedule, issues, risks, lesson learned, decisions, minutes of meeting, etc.)
- Perform necessary procurements in the project implementation (e.g., consultants, service providers, equipment, materials, etc.)
- Coordinate and engage with programme partners, stakeholders, and other GIZ teams to ensure that the assigned activities are well aligned with overall implementation
- Support TGC EMC RE in event organization (e.g., training, workshop, dialogue, study tour, etc.)

B2. Provision of Expertise on Smart Grid Technologies

- Familiar with overall landscape of smart grid technologies and their system values to the power system (e.g., generation, transmission, distribution, and demand side)
- Maintain up-to-date insight on market development and trends that shape smart grid development in Thailand and in the international level
- Good awareness of policy framework for smart grid development in Thailand (e.g., Smart Grid Roadmap, Smart Grid Action Plan)
- Understand the ecosystem and key stakeholders (i.e., public & private sector) in Thailand smart grid domain; understand needs, expectations, and goals that are relevant to smart grid
- Experience in business cases of smart grid solutions, especially on battery energy storage system (BESS), dynamic line rating (DLR), virtual power plant (VPP), and demand response (DR)
- Good understanding of integration of variable renewable energy into the power system (e.g., grid flexibility, grid balancing, etc.)
- Good understanding of Electric vehicle grid integration (e.g., smart charging infrastructure, vehicle-to-grid, etc.)
- Good networks with technology provider on smart grid technologies both domestic and abroad
- Be able to assess suitability of smart grid solutions to the applications (e.g., cost-benefit assessment, return on investment, etc.)

B3. Other Functions

- Participate in meetings, trainings, and/or conference as requested

- Support internal initiatives to build up capacity of GIZ Energy Team (e.g., enhancement on the ways of working, exploring new productivity tools/processes) as appropriate
- Provide other supports to GIZ Team as requested

C. Required qualifications, competences and experience

- Have full right to work in Thailand without restriction.
- University degree in Engineering, Science, Economics, International Relationship, Business Administration or similar area of study. Master's degree is an advantage.
- A minimum of 4 years of work experience
- Have expertise and experience in any Expert Areas as mentioned in section B2
- Strong command in English and Thai
- Highly organized with strong motivation in energy transition, climate change, and international cooperation and development
- Good project management skills (e.g., planning, coordination, tracking progress, etc.)
- Good knowledge in use of basic general-purpose IT equipment (e.g., laptop, printer) and software (e.g., word processing, spreadsheet, slide preparation, online meeting and collaboration tools)
- Good team player who are willing to support colleagues for overall project success, but can also work independently and can cope with pressure and stress
- Willingness to learn and can adapt his/her working styles & communication approach to match with the situation

The contract will be fixed-term, starting as soon as possible and running until 31 December 2027. Upon satisfactory performance, contract extension will be offered until the end date of TGC EMC programme. There is an opportunity for the extension of TGC EMC & other projects under GIZ energy portfolio which to be jointly explored and discussed with the Smart Grid Expert.

Duty station
The position will be based in the project office in Bangkok with occasional travel to pilot project areas.

Please carefully read this announcement and submit 1) a CV AND 2) a cover letter in English to recruitment_TH@giz.de. The deadline for applications is **15 November 2026**. Only shortlisted candidates will be contacted.

GIZ Thailand is an equal opportunity employer and actively encourages gender diversity within the company and operations.

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More information
- about GIZ: https://www.giz.de/en/html/index.html

- about Thai-German Cooperation on Energy, Mobility, and Climate: https://www.thai-german-cooperation.info/thai-german-cooperation-on-energy-mobility-and-climate-tgc-emc/ (website), https://www.facebook.com/tgcemc (Facebook)
- about GIZ Energy & Transport portfolio: https://www.thai-german-cooperation.info/what-we-do/energy-transport/