



Swisscontact - the Swiss Foundation for Technical Cooperation - is a leading organization in international development and cooperation, operating worldwide since 1959. It is the business-oriented independent foundation for international development cooperation and is represented in 41 countries with over 1200 employees. Since December 2020, Swisscontact has been leading the SDC-funded *Rural SMEs Development Project* (RSMEDP) which takes a market systems development approach to increase rural income and employment for rural SMEs. Swisscontact is currently implementing Phase II of the RSMED Project until 2028.

Swisscontact, in collaboration with a partner organization in Georgia, is developing a digital tool designed to support individuals and businesses in making informed decisions about optimizing their energy consumption and reducing energy-related costs. The digital tool will estimate how renewable energy solutions can offset user energy consumption based on their provided usage or costs. While the primary focus of the digital tool is on solar energy solutions, the scope of the assignment should also extend to incorporating electric vehicles and energy-efficient equipment into the digital tool's functionality.

To develop this digital tool, the project will engage both software developers and an energy expert. The renewable energy expert/energy efficiency expert will deliver the technical inputs - outlined in detail in the main duties section - to ensure developers can accurately incorporate them into the tool.

To support the project, Swisscontact is looking for a **Renewable Energy Expert/ Energy Efficiency Expert** based in Tbilisi, Georgia.

### **Renewable Energy Expert/ Energy Efficiency Expert**

**Place of work:** Tbilisi, Georgia (primarily remote with occasional in-person meetings, if required)

**Contract Duration:** Short-term consultancy (up to 20 working days anticipated initial engagement, anticipated 10 days for following up by hourly support as needed for up to 12 months)

#### **Main duties**

The Energy Expert/Energy Efficiency Expert is responsible for providing technical expertise and guidance to ensure the accurate integration of energy-related data and assumptions into the development of the digital tool. The expert will work closely with the software development team and project partners to support the tool's functionality, relevance, and alignment with the Georgian energy context.

#### **Renewable Energy Expert/Energy Efficiency Expert will:**

- Work closely with the partner organization's software development team to create and refine the digital tool for the partner organization's website. The expert will be available for hourly support as needed for up to one year following the tool's launch, which may include consultations, updates, and communication with GNERC representatives.
- Ensure that all regions of Georgia are accurately represented in the tool, with each region correctly linked to its respective

electricity provider (Telmico or Energo-Pro).

- Identify and provide electricity tariffs for each region and collaborate with the development team to integrate these tariffs into the tool.
- Provide the necessary technical data to estimate how renewable energy solutions (e.g., solar panels) can offset energy costs based on user input (e.g., energy usage, costs). This includes understanding energy consumption patterns and tariff structures.
- Calculate the renewable energy potential for the proposed energy solutions, such as solar panels, taking into account factors like location, weather conditions, panel efficiency, and system technology. These calculations will help estimate the financial benefits of renewable energy compared to energy consumption.
- Ensure the tool aligns with Georgia's energy regulations, providing users with accurate and legally compliant information about tariffs, subsidies, and incentives available for renewable energy solutions.
- Refine the financial models within the tool, considering system efficiency, anticipated investment/equipment needed and the cost of renewable energy technologies.
- Ensure that the digital tool's recommendations are clear, understandable, and actionable for non-technical users, helping them make informed decisions about energy savings, renewable energy needs, and payback periods.
- Recommend further enhancements to the tool as new requirements and opportunities arise during the development process.

#### **Requirements:**

- Strong knowledge of the Georgian energy sector, including current energy consumption trends, electricity production capacity, and the regulatory framework governing energy use and renewable integration.
- Technical expertise in solar energy systems, including different types of panels, efficiency parameters, installation requirements, pricing, and maintenance considerations.
- Comprehensive understanding of regional electricity pricing and tariffs in Georgia, with the ability to distinguish between tariffs applicable to households, SMEs, and commercial entities.
- Direct experience working with or alongside GNERC or similar regulatory bodies, with demonstrated familiarity with verified tariff data and national energy strategies.
- Proven experience in renewable energy system modeling and financial analysis, including system sizing, ROI/payback estimation, energy cost modeling, and financial feasibility assessment.
- Familiarity with renewable energy technologies beyond solar, particularly electric vehicles (EVs) and energy-efficient appliances or equipment relevant to the Georgian market.
- Experience supporting iterative development of digital tools or platforms, with the ability to propose enhancements based on feedback or new data during implementation.
- Capacity to provide technical support post-development, including consultations, content updates, and communication with regulatory stakeholders.
- A proven track record of working on renewable energy projects in partnership with public sector entities, financial institutions, and donor-funded initiatives will be an advantage.

#### **Required skills:**

- Ability to communicate technical concepts clearly to non-technical audiences.
- Strong analytical skills in system sizing, financial modeling, and scenario analysis.
- Proficient in using geospatial and solar resource data for energy potential calculations.
- High attention to data accuracy, assumption reliability, and output validation.
- Effective time management and adaptability in short-term consultancy roles.

#### **How to apply**

Are you interested in a short-term assignment and strive for contributing to excellence and making a difference? We offer a challenging scope of duties and believe strongly in personal responsibility.

Please submit your CV (maximum 4 pages) and brief cover letter (maximum 1 page) in English or Georgian, detailing your relevant experience, technical expertise in renewable energy/energy efficiency practices, and how you can contribute to the development of the digital tool. Kindly also indicate your proposed daily rate. Please send your application to [info.georgia@swisscontact.org](mailto:info.georgia@swisscontact.org)

- Please write this subject in your e-mail application: Job applicant: Renewable Energy Expert/ Energy Efficiency Expert, RSMDEP
- Only Shortlisted candidates will be contacted.

**The deadline for applications is June 9, 2025. Interviews will be conducted on rolling basis.**