



# Green Solar Louisiana (GSLA)

## Summary for Vocational, Education, Training, and Authority (VETA)

Adult Education Workforce Development and Training

Prepared for  
VETA, GSLA, Partners, and Stakeholders

Support for  
United Republic of Tanzania Country Strategy Paper  
Bank Group Regional Integration Policy and Strategy

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## Summary

Green Solar Louisiana (GSLA) headquartered in Alexandria Louisiana, United States of America, focuses on the needs, wants, and desires of the people of the United Republic of Tanzania. GSLA is an infrastructure company providing turn-key solutions in Tanzania Africa. Our objective is to support a stable and prosperous economy for citizens and businesses in Tanzania.

We believe education and training are essential for self-development, professional growth, and long-term sustainability of family, businesses, towns, and cities. Education and training must satisfy the demands of individuals, businesses, and society to maintain upward growth and transformation of the overall economy.

GSLA and VETA recognize and understand that the challenges in primary and secondary education are huge and effort, commitment, and capital resources must meet those challenges to enable high performance among students and young adults. We have reviewed several strategic plans including the Country Strategy Paper, 2011-2015, and the Bank Group Regional Integration Policy and Strategy, 2014-2023, developed by the African Development Bank/Fund and the African Development Bank Group.

GSLA and VETA will develop and implement a broad-based strategy to address adult education and training. Our requirements will be consistent with the needs of an emerging economy, coupled with the capabilities to leverage existing and new technologies that will enhance and facilitate the implementation of our plan.

## Approach

GSLA and VETA will develop an Education and Workforce Development Plan. Our plan will contain requirements that meet the needs of the challenges faced by young adults graduating from high school and working adults. We will first perform feasibility studies – we are already collecting statistical data – to align budget, resources, and schedule. We will perform preliminary designs on segmented parts of our overall design. For example, components include segmentation of disciplines, curriculum development, academic content creation, academic assessments, and test verification of delivery platforms. Our academic platform solution will be designed to reach an estimated 200,000 plus students as we build the necessary infrastructure to address education and training in Renewable Energy, Construction and Engineering, Agriculture, Information Technology & Infrastructure, Marketing, and Entrepreneurship.

We will build on and expand the existing structure and infrastructure already developed by VETA. We will design and implement new on-site and virtual/online education tools, delivery mechanisms, and enrollment strategies. GSLA and VETA will recruit highly qualified professional, preferably individuals who have advanced degrees and years of experience in specific academic areas. Our instructor based will be drawn from an international pool of candidates, to include offers to in-country professionals and those living and working outside of Tanzania that have the proper qualification and work experience. Quality and performance will be measured as part of the verification and test results for diploma or certificate. We will seek college or university accreditation to support credit for various courses. Our platform and management approach will offer complete visibility and accountability into our education process.

## Phase Implementation

GSLA has a phased approach to implementation of Adult Education, Workforce Development, and Training. We have started early stage program developments. GSLA will produce an Education and Training Plan that includes but no limited to the following components: Instructional Design, Content Development, Academic Performance, Platform Delivery, Acquisition of Computer Hardware and Software, Acquisition of Test Equipment, Virtual Labs, and Marketing. The overall program delivery infrastructure and content will be structured and undergo standalone tests, integration, and verification. We will develop Phase 1, Phase 2, and Phase 3, for example, of the overall program.

GSLA will create a board that includes VETA, the Tanzania Private Sector Foundation (TPSF), and GLSA-Fanikiwa. The board will guide and help approve overall program implementations. Adult Education, Workforce Development, and Training will be tailored to meet current and future job market needs, skills, and business requirements.

## Focus Areas

Working adults and students in their last year of high school will have the ability to continue their education or seek special skills in the areas below. We intend to facilitate high intensity training in multiple subjects, which may require education and training six days per week. New businesses will be created and markets will be served from a vertical perspective.

- High intensity training in basic mathematics, writing skills, scientific and technical concepts. Performance – master basic mathematics skills, algebraic expressions, trigonometric functions; AC/DC, analog, digital, power, heat, electrical components, etc.
- Construction – Education and training in carpentry, plumbing, electrical, structural, building codes, and safety. and functions associated distance, measuring, sizing, angles, space, square foot/meter,
- Power Generation and Electrification – GSLA will leverage existing efforts to support education and training in power generation, transmission, and distribution. Education and training will include electrical power concept, power plant theory of operation, hands-on training, and safety for ethanol and gas engines, 500 KW – 5 MW.
- Renewable Energy – Education and Training in biomass and solar systems. Education and training will focus on how to used plant-based crops, crop bi-products, and municipal solid waste (MSW) as sources of feedstock for power generation. Both thermal and photovoltaic solar systems will be designed and discussed. Recycling for biomass and consumer electronic products also will be the focus of this course. Ethanol production will focus on ethanol as a viable source of economic development that extend beyond production as a fuel source.
- Agriculture – Students will learn about crop yield, fertilizing, irrigation, crop rotation, food security, technological advancements in farm machinery, and more. The objective is to align the course with the existing agriculture industry in Tanzania to better support farmers, high yield seed distribution access to markets, and perhaps collaboration with large industry leaders such as Cargill, Monsanto, USDA, and Yara. The course will also focus on GPS, RFID, and packaging technologies that enable tracking of food and for it to stay fresh longer.
- Network Infrastructure and Information Technology – Students will understand communications/optical infrastructure, cloud computing, communications hardware, software, internetworking, protocols, mobile applications, and security – theory and hands-on. The objective

of this course will enable students to perform networking, security, and IT functions in a local or enterprise environment. These include configuration, installation, and troubleshooting products from companies such as Microsoft, Cisco Systems, Ruckus Wireless, and Rackspace. Our intent is to install a virtual lab that can be accessed from anywhere. Course requirements will require students to have access to or own laptop or desktop. We will also teach the students how to build desktop and laptop computers.

- Marketing – Students will learn B2B and B2C marketing approaches, direct mail, telemarketing, and internet marketing strategies; website development and content development. The objective is to help students understand how to sell products and services for companies or their own company.
- Entrepreneurship – Students will have the opportunity to participate a year-long process of mind/mental attitude, the power of clarity, productivity and implementation, international strategic management, Supply Chain Management, international marketing, profit/loss statements, stock analysis, business start-up, business growth, networking, partnerships, teaming agreement, business certification, and interviews with CEOs.
- Franchise Training – Franchise concepts, planning, development, selection, and investment. The objective is to help students understand how systems are the keys to successful entrepreneurship and how they will eventually serve markets in Tanzania.

## Partners

This is a list of partners and potential partners.

World Bank, MCC, USAID, Tanzania Private Sector Foundation, Franchise 2020, Southern University, University of Bagamoyo, GE/Clarke-Energy, and E-Fuel.

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