

## SGS

### *International certification company advances sustainability in Ghana*



Saves approx **37 tonnes**  
of CO<sub>2</sub> per year

Total capacity  
of **74 kWp**



*Headquartered in Geneva, Switzerland, SGS is the world's leading inspection, verification, testing, and certification company, recognized as the global benchmark for quality and integrity. With more than 95,000 employees, SGS maintains a network of over 2,400 offices and facilities around the world. SGS operates across several sectors, including agriculture, minerals and mining, transportation, environmental, and oil and gas. It also manages portfolios in government institution services and in auditing services.*

*As the leader in providing specialized business solutions that improve quality, safety, and productivity and reduce risk, SGS helps customers navigate an increasingly regulated world. Its independent services add significant value to customers' operations and ensure business sustainability.*

## CHALLENGE

### Merging stability and sustainability

The SGS facility in Tema, Ghana has a peak load of 82 kVA; air conditioning, lighting, and high-tech testing equipment make up the major load components. SGS sought to stabilize fluctuations in electricity price inherent to the region, in order to manage, and ideally, reduce operating costs. SGS in Tema's second goal for their energy revision came from their corporate headquarters; SGS Sustainability

Strategy is built around four pillars – Professional Excellence, People, Environment and Community – supported by SGS Group-wide policies, global programs, and local initiatives. Its Environmental pillar focuses on decreasing emissions and maintaining SGS as a carbon neutral company. With these strategies in mind, SGS in Tema set out to find the right energy solution.

Financed by:

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[www.redaviasolar.com](http://www.redaviasolar.com)

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#### SOLUTION

##### Effortless energy for business ease

With its Sustainability Strategy in mind, SGS made the logical choice to turn to solar to complement its existing grid connection taking another step towards achieving the RE100 commitment, which means 100% of electricity from renewable sources. However, SGS also sought to find a solar solution that was reliable and cost-effective, which led the multinational organization to choose REDAVIA's lease-to-own business model.

REDAVIA's modular solution is designed for a simple and standardized installation, commissioning and decommissioning process, preserving the performance of the Fast Track Solar Units at all times. In July 2018, REDAVIA's on-site engineers deployed a 74 kWp solar farm at the SGS facility in Tema in a smooth installation process.



More than  
**85 MWh**  
per year

#### BENEFIT

##### Certified valuable results

From deployment through April 2019, the REDAVIA solar farm at SGS has generated more than 65 MWh and a CO<sub>2</sub> reduction of 29 tonnes. Over the 12-year lease term of the plant, it is projected to generate 1039 MWh while reducing CO<sub>2</sub> emissions by an estimated 447 tonnes. Additionally, REDAVIA provides 24/7 monitoring and regular maintenance of the solar farm, ensuring optimum energy output. This full-service package relieves SGS of the operational considerations of the solar farm. With these significant benefits, SGS has achieved its energy goals by finding a solution that is clean, reliable, and cost-effective, already providing SGS with significant savings.

Following the success at SGS in Tema, SGS aims to expand with REDAVIA at their other sites in Ghana in the future. Solomon Adjei-Boateng, SGS Procurement Manager-Anglophone West Africa, says of the partnership between REDAVIA and SGS: "I would always recommend REDAVIA to anyone who approaches us to inquire of the benefit that we've seen in terms of the reduction in our costs and also the emission of carbon dioxide to the environment. I think energy management is a must for everybody now, and we have to always consider preserving the environment in which we live."

With several SGS facilities in Ghana, SGS and REDAVIA can look forward to many years of win-win partnership.

minimal  
upfront  
investment

