

This project covers the installation of photovoltaic panels at a Groupe SEB production site in Colombia. They provide part of the electricity consumed by the site.

Starting date of the project	This installation has been in operation since October 2020, after two years of study.			
Project Localisation Places of implementation of the project at this stage and targeted geography if replicable.	This ground-based solar farm is located on a vacant land of the production site located in Rionegro, Colombia. The solar energy produced is consumed at 100% by the production site, up to 11% of the site's electricity needs. Reproducibility: This project will serve as a pilot that can be generalised and extended in the future to other Groupe SEB sites (China, Vietnam, France, USA, etc.).			
Project objectives Type of climate innovation of the project with a description of the problem/issue addressed	Produce a portion (11%) of the electricity consumed by the Rionegro production site in Colombia from solar panels installed on the site.			
Detailed project description	greenhouse gas emissions. In 2016, the Group join its low carbon approach with the goal of keeping g Groupe SEB has set the objective of reducing its e 2016). To achieve these ambitious goals, it is concentratine. Optimize the energy consumption of its plants. Increase in the share of renewable energy. This is where this project comes in: the first project SEB. It will serve as a pilot that can be generalised Vietnam, France, USA, etc.). More than purchasing energy, this project made a vacant land of a site. The solar electricity proproject is concrete for employees and helps rain the commitment of Groupe SEB on this issue. On the Rionegro site, there are many lands availated install photovoltaic panels to generate a part of the for more than ten years in France and all around the maintenance. The photovoltaic plant has a 1,400-kW capacity are supply 11% of the site's electrical needs. The rest electricity network. This installation has been in operation since October Groupe SEB hosts the photovoltaic power plant are solar electricity cheaper than the market price. This	To achieve these ambitious goals, it is concentrating its efforts on two priorities: Optimize the energy consumption of its plants, Increase in the share of renewable energy. This is where this project comes in: the first project of green electricity «on-site» purchasing of Groupe SEB. It will serve as a pilot that can be generalised and extended in the future to other sites (China, Vietnam, France, USA, etc.). More than purchasing energy, this project made it possible to install a photovoltaic power plant on a vacant land of a site. The solar electricity produced supplies a portion of the site. In addition, this project is concrete for employees and helps raise awareness of climate issues as well as shows the commitment of Groupe SEB on this issue. On the Rionegro site, there are many lands available and Groupe SEB wanted to exploit these lands to install photovoltaic panels to generate a part of the electrical needs. Greenyellow, a green energy supplier for more than ten years in France and all around the world, is responsible for the installation and maintenance. The photovoltaic plant has a 1,400-kW capacity and covers a surface area of around 14,000 m2. It will supply 11% of the site's electrical needs. The rest of the electricity needed comes from the Colombian electricity network. This installation has been in operation since October 2020, after two years of study. Groupe SEB hosts the photovoltaic power plant and has committed for twenty years to Greenyellow to buy solar electricity cheaper than the market price. This allows a saving of €48,000 and 11,000 tonnes of CO2 equivalent during the entire period of the contract. When the contract ends, Groupe SEB will become the		
Main project's drivers for reducing the greenhouse gas emissions		Details on the aspects of the project		
	☐ Energy and resource efficiency (including behaviour)			
	⊠ Energy Decarbonisation	Replacement of part of the electricity provided by the Colombian electrical network with solar power.		
	☐ Energy efficiency improvements			
	☐ Improving efficiency in non-energy resources			

	☐ Emissions absorption: creation		
	sinks, negative emissions (BECC	CS, CCU/S,)	
	☐ Financing low-carbon produce		
	disinvestment from carbon asset		
	☐ Reduction of other greenhouse	e gases	
	emission		
Emission scope(s) on which the			
project has a significant impact		Aspects of the project	Quantification of associated
and quantification of GHG		contributing to the reduction	GHG emissions by emission
emission reductions per emission		of emissions by emission	category
scope		category	Please follow the
			quantification methodology
			used in the Afep guidelines.
	Reduction of the company's ca	rbon dependency	
	Scope 1		
	Direct emissions generated by the company's activity.		
	Scope 2	Replacement of part of the	11 ktCO2e
	Indirect emissions associated	electricity provided by the	
	with the company's electricity	Colombian electrical network	
	and heat consumption.	with solar power	
	Scope 3 Emissions induced (upstream		
	or downstream) by the		
	company's activities, products		
	and/or services in its value		
	chain.		
	Increase of carbon sinks Emissions Absorption	I	
	Carbon sinks creation,		
	(BECCS, CCU/S,)		
	GHG emissions avoided by the	company at third parties	
	Avoided Emissions		
	Emissions avoided by the activities, products and/or		
	services in charge of the		
	project, or by the financing of		
	emission reduction projects.		
	Clarification on the calculation or other remarks:		
	In Colombia, the average grid emission factor is 0.38 tCO3/MMMh (electricity emission factor defined by the		
	In Colombia, the average grid emission factor is 0.38 tCO2/MWh (electricity emission factor defined by the UPME Mining Energy Planning Unit of Colombia according to resolution 774 of 2018).		
	It is estimated that 11% of the site's electrical needs (30 GWh) will be supplied by this installation for the		
	entire duration of the contract (20 y	years).	
	The associated CO2 gain is aroun	d 11 ktCO2e throughout the contract	ct period (20 years).
Modality of verification of the	Calculation standard used (ADE	ME base, GHG protocol, etc.): Ce	ertificate supplied by Greenyellow
quantification.			
Other environmental and social		nternal or external): External audit	lishment of a new photovoltaic power
benefits of the project		or its installation and maintenance.	
zonome er me project		ectricity consumed by the plant with	
	environmental impact for the surro		
	This project is concrete for employ	rees because it is close to the works	place. This raises awareness about
Project maturity level		reat motivation for all Groupe SEB	employees.
riojest matarity level	□ Prototype laboratory test (TRL 7□ Real life testing (TRL 7-8))	
	☐ Pre-commercial prototype (TRL	9)	
	☐ Small-scale implementation	0)	
		ntation	
	3 p		
	Barrandari Tilli i i i i i i i i i i i	and the constant of the consta	
	Hemarks: This installation has been	en in operation since October 2020.	•
Capacity and conditions of the			vacant surface area for the installation
project reproducibility, with	of the plant, and its electricity consumption profile. The solar market and government support vary from country to country and are constantly evolving.		
associated climate impact mitigation potential	i ne solar market and government	support vary from country to country	ry and are constantly evolving.
magation potential			

	An expert in the solar field is necessary. The expertise should include government incentives, insurance	
	requirements and operational assumptions.	
	The contract must protect the company in all areas of risk, considering all potential circumstances.	
Amount of investment made (in €)	No investment: the cost is covered by the installer Greenyellow.	
Economic profitability of the	☐ ST (0-3 years)	
project (ROI)	☐ MT (4-10 years)	
• • • •	☑ LT (> 10 years)	
	21 (> 10 yours)	
	Remarks: Groupe SEB has committed for twenty years to Greenyellow to purchase electricity from the	
	photovoltaic plant, allowing Greenyellow to finance the plant.	
Engaged partnerships	A partnership was established with GREENYELLOW Energía of Colombia.	
Open comments from the project	/	
owner	'	
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More about the project		
Contact the company carrying the	sustainabledevelopment@groupeseb.com	
project		
Project URL links	1	
Illustrations of the project		
	4	
	A NAME OF TAXABLE PARTY.	