

**TECHNICAL SOLUTIONS**



# Casa Grata : youth-led and gender-responsive clean energy solution for rural communities in Colombia

**Description of the project:**

Casa Grata is a decentralised and affordable youth-led solution that brings solar energy to dispersed and hard-to-reach rural households. The system includes a solar panel, light bulbs, a battery and a solar charge controller. This solution allows electronic devices to be charged and light bulbs to be plugged in, reducing school dropout rates, particularly among girls, and improving families' livelihoods. Through the 'Guardians of Light' programme, rural women are trained as technicians to install, monitor and repair the systems, ensuring long-term sustainability in a difficult context of internal conflict.



**TRANSFORMATIVE OUTCOMES**

**Climate impact**

	Reduce CO <sub>2</sub> emissions by replacing candles or diesel lamps with solar photovoltaic systems
	Decentralised solar energy solution based on a community approach

**Gender impact**

	36 rural women are members of the Guardians of Light committee
	Through a Train-of-Trainer approach, rural women are trained in financial savings and technical skills
	Empowering women through meaningful participation in decision making

**Scalability / replicability**

	Payment system based on interest-free credit and adjusted to the user's income ensures wide dissemination
	Communities empowered to follow their own development pathway
	Internal conflict victims and displaced communities return to the land and find some peace

**CONTACT**



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