

"UDENAR Campus Verde Initiative":

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"The UDENAR Campus Verde Initiative is a project at Universidad de Nariño (Colombia) combining an electric bicycle fleet, a photovoltaic charging system, and a grid injection system of the unused energy for self-consumption. Members of the university use the electric bicycles for daily commuting. The bicycles use a photovoltaic charging system in a solar parking located on campus. The bikes charge while parking, taking advantage of the sunny hours. A grid injection system was implemented to better use the energy not supplied for charging from the photovoltaic solar panel array located on the roof of the bicycle parking space. A 12,5 kWp photovoltaic system and fleet of 60 bicycles are reducing estimated emissions by 6.38 Ton CO₂ and 7.08 Ton CO₂ respectively for each year of use."