

SUCCESS CASES OF THE STATE OF MINAS GERAIS/BRAZIL

SUSTAINABLE PROJECTS

Energizing wells and water supply systems - Photovoltaic Kit



Objective: Design, dimension and install photovoltaic kits for the operation of artesian wells and water supply systems in the IDENE coverage area, through the optimization of energy infrastructure with the installation of photovoltaic energy kits, in order to guarantee population access to water.



Object: Hiring a company specializing in the engineering field to carry out design, sizing and installation of Off Grid photovoltaic kits in 436 wells with pumps already installed. The kit consists of: support, photovoltaic array, charge controller, solar control panel with solar inverter.



Average price per kit: R\$45,021.16 - The value of each system varies according to the power of the well. The amount required to execute 100% of the plan is R\$ 19,629,225.76.



The project of photovoltaic kits is necessary due to the existence of 436 installed wells that are still without electricity connection, therefore, inoperative.

