



Microgrid distributed generation Dominican Republic

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In the Dominican Republic, which has three main utilities, the utility closest to Sabana Real, Edesur Dominicana, will distribute the power from the microgrid to the residents. For the first year, Enestar will operate the microgrid and teach local people about the technology.

My project is about demonstrating the advantages of building microgrids in the Dominican Republic to respond effectively to the increasing number of natural disasters affecting the island. This is a project that is very close to my heart as it was born from a personal experience and from my desire of helping my country.

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This is where microgrids (MGs) have emerged as a tool due to their potential to recover quickly and effectively, providing an alternative approach. Active MG integration into the grid requires a robust modeling process and hardware testing, and this PEER project tackled both.

help researchers and power engineers to assess the evolution of distributed generation and power systems, reducing the time from model to simulation by orders of magnitude (months to weeks).

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