



FEASIBILITY SOLAR POWER

What are the options to develop a 10-50 MW solar power project in Trinidad that is technically and financially feasible and can reach investment decision in 2018?

RESULTS

To make solar energy financially attractive and competitive with the current subsidized price of electricity of 0,05 USD per kWh, the government has to pay more for renewable energy or increase the electricity price. Currently all electricity is generated with gas, using (highly) inefficient power plants. Introducing a utility scale solar power plant, could save up gas, which could be used for higher value purposes, for example, the petrochemical industry, who are currently suffering from a gas shortage. We delivered the following outcomes: a stakeholders analysis, different potential locations, different commercial constructs and a roadmap to address the solar opportunity.

OUR WORK

After four onboarding sessions in the Netherlands, we flew to the capital of Trinidad and Tobago, Port of Spain. During interviews we tried to get an understanding of the local energy market and identified important influencers and decision makers within the government, since the electricity market is regulated by the government. In order to determine financial feasibility we acquired the latest insights on the cost development of solar energy and had to figure out an attractive commercial construct. At last, we had to identify and visit suitable locations for the solar farm.



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