



Seychelles grid stabilization

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Targeting a RES share of 15% in the Seychelles energy mix by 2030, an Electricity Master Plan was developed. Its main goal was to ensure that a high penetration of non-dispatchable and intermittent sources would not lead to an intensification of grid technical problems (technical losses, RES curtailment, and blackouts in worst case scenarios).

Context: The expected demand growth together with the energy policy targets for 2030 (15% of RES in the energy mix) require significant investments on the electricity infrastructure

Project objectives: An electricity masterplan capable to prove that the foreseen grid investments make part of coherent transition plan that considered costs as well as the inherent risks

Until recently, all the electricity in Seychelles was generated by the Public Utilities Corporation using diesel generators. As part of the strategy to transition to 100% renewable energy, regulations have been amended to allow for grid-tied renewable energy systems and the creation of independent power producers (IPPs). This is a rapidly growing sector but is limited by a number of factors, one of which is grid stability. In order to standardize all the connections to the grid, Seychelles needs a unified grid code.

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