



Task 18: Off-Grid and Edge-of-Grid Photovoltaic Systems

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August 2022

The feasibility blueprint



A summary of the general structure of this Blueprint is below:

Project staging

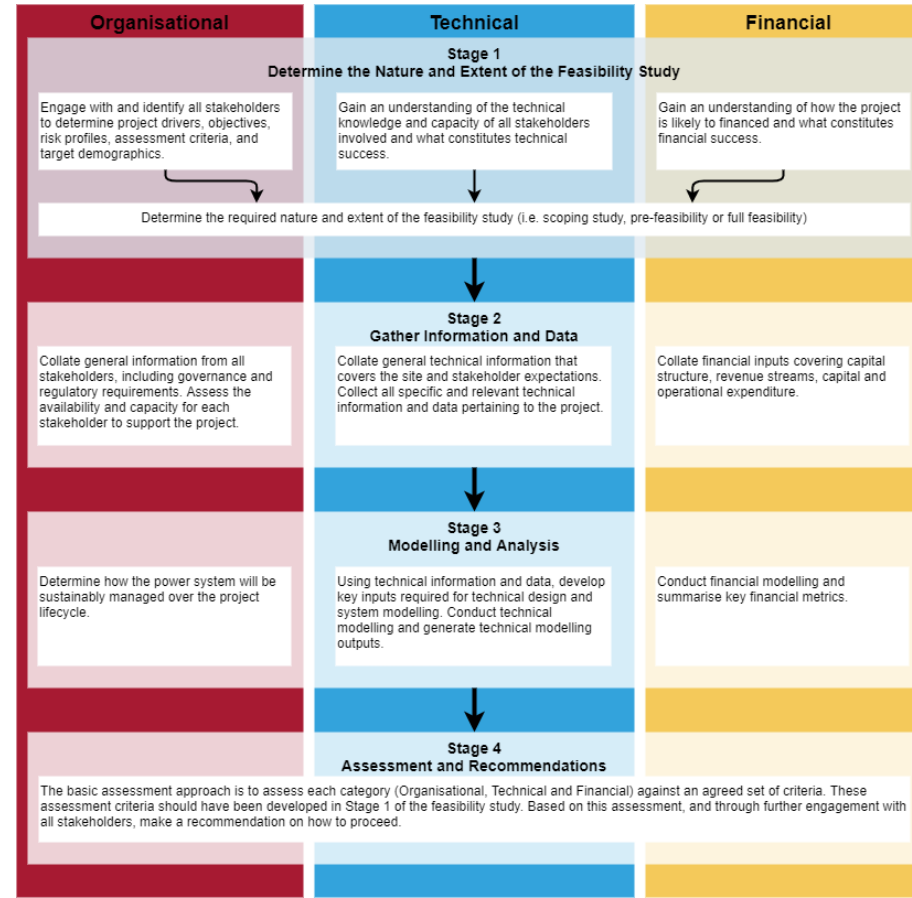
- Determine the nature and extent of the feasibility
- Gather information and data
- Model and analyse
- Assess and make a recommendation

Areas of assessment

- Organisational, technical and financial

Other general considerations

- Consider the full life cycle and ensure accurate information is collected



Areas of assessment



Organisational

- Covers all non-technical and non-financial considerations and largely dictates the development, structure and deployment of the project and includes the following areas:
 1. System governance, ownership & management structures
 2. Legal & regulatory frameworks
 3. Market analysis, supply chains and procurement

Technical

- Encompasses any information relating to the technical viability of the project, which includes the project's physical aspects, delivery, and operation. Often this includes information related to the site itself, the engineering, design, hardware, structures, functionality, operation, and maintenance.

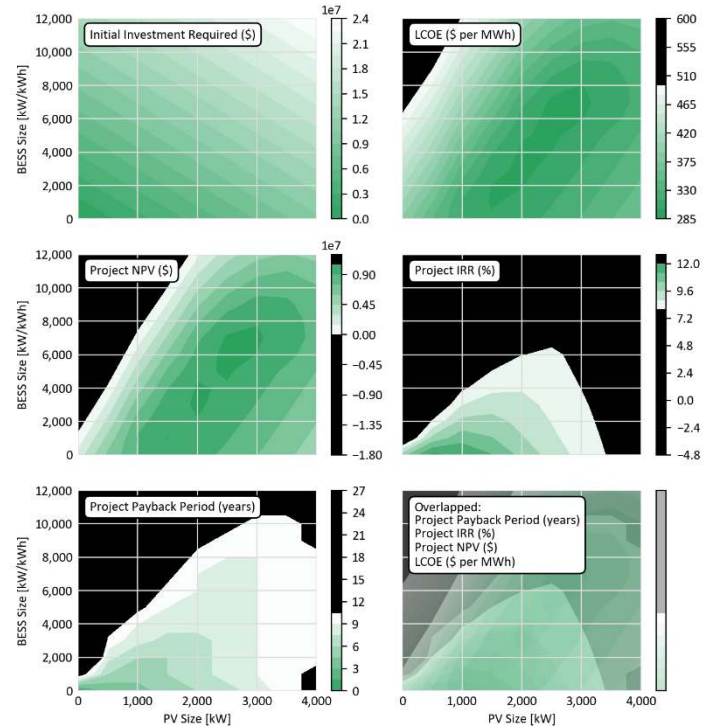
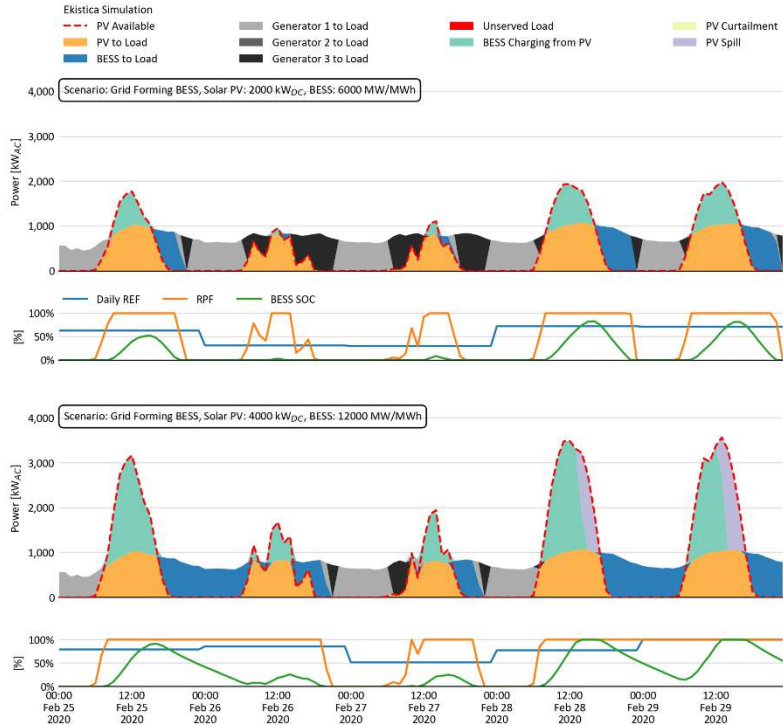
Financial

- The term “financial” encompasses any information related to determining the project's financial viability, which includes capital structure (e.g. funding, debt and equity terms, tax , etc.), costs (i.e. capital expenditure, operational expenditure and replacement costs for critical infrastructure), and value streams (e.g. electricity sold, green certificates, reduced fossil consumption, reduced maintenance costs).

Model, analyse, optimise, recommend



Modelling tests a range of potential solutions, where results are analysed, summarised, and presented in a meaningful way to achieve a desired outcome.



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