

Early Stages Studies

- Master plans: Long term system planning, including the major future changes in the system, such as new generating plants, power stations and interconnections.
- Power system studies: System modelling of static and dynamic load flows with software tools.
- Feasibility studies: Analysing and documenting the needs and the possible technical, financial and legal solutions, cost estimating and determining the best alternative.
 - Investigating and determining the technical and economical viability of the proposed project.
 - Identifying all possible alternative schemes.
 - Doing preliminary cost estimates, modes of operations and reserve policies, including financial, economical, market analyses, etc.
 - Analysing Project bankability.
 - Carrying out the necessary technical studies for the project, and recommending all necessary aspects to maintain the security and economic operation.
 - Conducting necessary preliminary surveys.
 - Producing Design Memorandum including functional design specifications.
- Site investigations: Land and sea surveys in the field in order to determine e.g. the best location of a substation or the best route for an OHTL or cable project. Site surveys to add data to the customer's Geographical Information Systems (GIS).
- Environmental Impact Assessment (EIA): Identifying, predicting, evaluating and mitigating biophysical and other relevant effects of the project.
- Social Impact Assessment (SIA): Analysing, monitoring and managing of intended and unintended social consequences, both positive and negative, of the project.
- Basic design: Determining the most important parameters of the project.