



Grid Connection Studies

- ❖ CONSULTING
- ❖ DESIGN
- ❖ MODELLING
- ❖ REPORTS



EMPOWERING DESIGN MODELLING

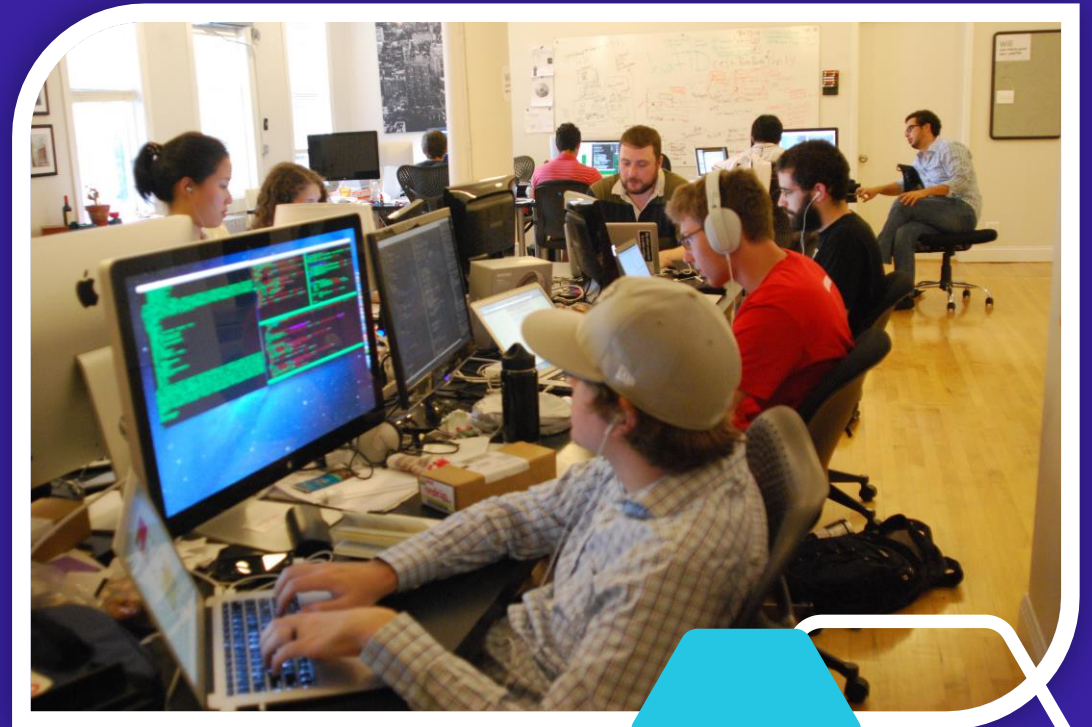
We are proudly Australia owned and operated, providing electrical design and modelling services to the power industry for over 16 years. Based on power flows, short circuits & dynamic simulations, we have been developing and conducting Power System Studies.

Electrical Design and draughting

BESST offers design and draughting services, from basic 2D as built draughting to complex 3D design modelling. We are a leading electrical consultancy firm with a number of experts providing proven and practical experience in Electrical Power System design..

Our Design Draughting Services (CAD) includes:

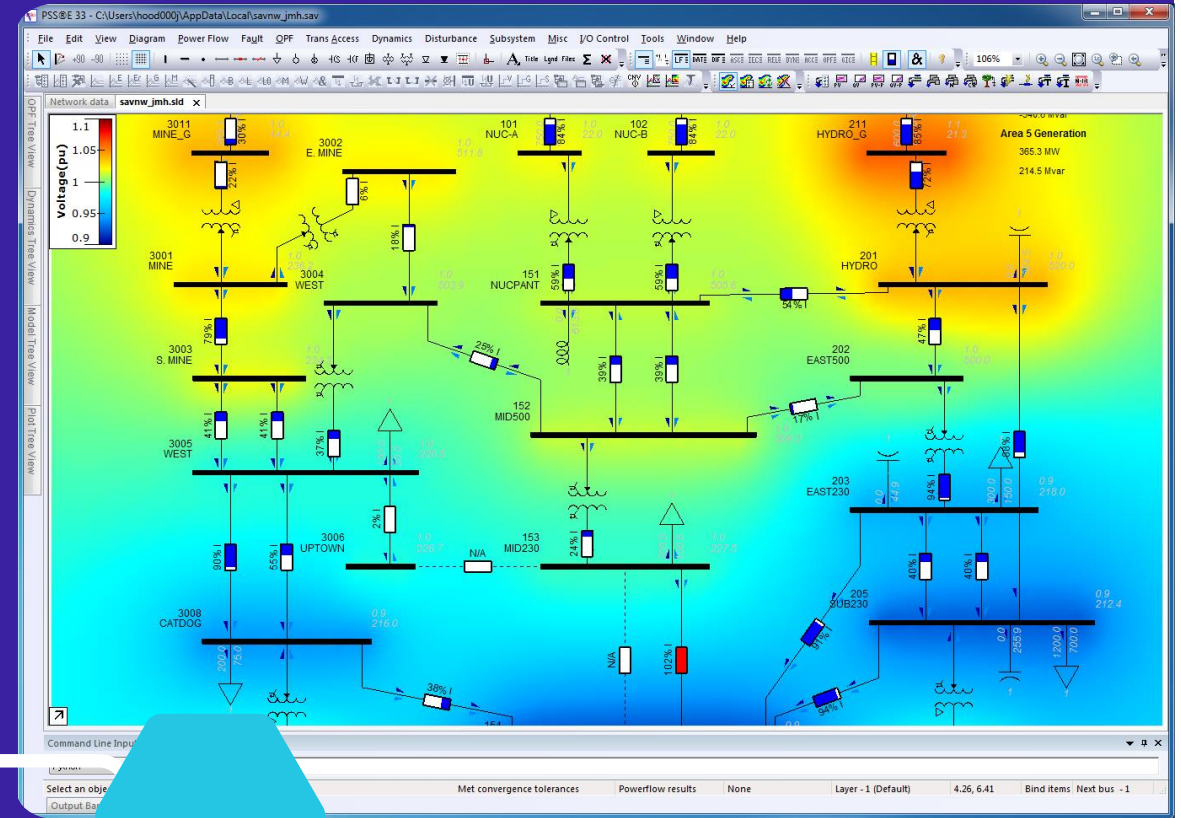
- Control & protection cabinets
- Mechanical & structural design
- Communication
- Earthing and lightning protection
- As-Builts
- Design review
- Due diligence
- Project management and consultant coordination
- Generation feasibility analysis



Power System Modelling

Using the latest power system analysis tools, models and techniques to ensure the most efficient and reliable operations our experts can assist with the following modelling and analysis tasks:

- Development of network models using our own licensed softwares such as PSSe, DigSILENT PowerFactory, ETAP, PSCAD, or MATLAB software
- Load-flow and short circuit studies
- Generation connection studies
- Voltage stability assessment
- Conductor / cable sizing
- Power factor correction assessment
- Power Quality Assessment
- Transient stability studies
- Generator compliance assessment





Grid Connection Application Services

Our EXPERTISE at work for you!

Connecting your business to the best
expert resources you need.....



Services for Grid Connection Application process

An independent study from a trusted source can help you assess grid connection feasibility and the operation of your project against these engineering recommendations. Working with you, we liaise with the transmission and distribution system network operators and discuss your requirements, timetable and your proposed levels of generation.

We are then able to build an electronic model of the network and the generation project. By combining the two, we help you investigate network connection feasibility and potential network impacts, in terms of clearly defined technical issues. The process of assessing network connection feasibility can also include an estimate as to the likely grid connection costs.

We will then prepare a packaged connection studies report and provided to the connecting NSP at the time of application for the Generating system data including:

1. Standard Planning Data (S)
2. Detailed Planning Data (D)
3. Diagram of connecting plant configuration
4. Simulation and modelling data for generation connections



Why choose us?

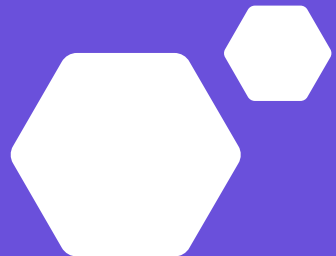
We have developed an innovative, automated and streamlined approach that helps you get your generating system grid application approved with the least amount of hassle.

Reduce complexity

- Grid applications have increased in complexity over the past decade and have evolved into a single point of failure for the installer. It is more important than ever to meet NSP requirements or risk delaying your project, and, in some instances, being refused altogether. We will act as your single window vendor for Grid connection application to final approval.

Fast tracked approval

- We help secure approvals in shortest possible time by efficient and streamlined grid applications, which enables you to focus on what matters: installing systems to the highest standard.



Competitive Service

- We offer experts who have updated knowledge and experience of NER rules and relevant Australian Grid Compliance standards for smooth and early grid connection approval at the most competitive rates available in the market.

Get personal support

- BESST provides a single point-of-contact who will spend time examining your project, answering questions, offering advice and handling all the documentation surrounding your application.



**BESST provides
most reliable total
end-to-end
solution**

Thank You



-  David Batterham
-  +61 7 31706201
-  David.batterham@best.com.au
-  www.best.net