

SERVICES

HOSTING STUDIES



EV CHARGER

RENEWABLE ENERGIES

The world is slowly moving towards clean and green energy and contribution to the carbon free world.

Make your bill zero and become a part of pollution free world.

With iEngineering you will be sure about the quality and good performance of different range of products.

ABOUT US

iEngineering Group is an energetic, flexible and open-minded team ready to work hard for its clients, striving for excellence. Our in-house Engineering Management team collectively holds over 30 years of industry experience in the field of Power, Electrical & Controls Engineering and Operations Management and over the years have successfully delivered projects and programmes to various Commercial, Industrial and Utility sector in the region. This brochure explains in detail about the Hosting studies for Renewable Energies and EV Charger.

WHY CHOOSE US

- We are committed to high standards & Customer Value Creation
- Excellence in Project Execution with highest level of safety, Quality, Reliability and Environmental measures in place.

CONTACT US



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IENGINEERING SERVICES

- Hosting Studies for EV and Renewables
- ASP L3 Design/ Substation and Industrial Design
- Power System Studies & Design
- Earthing Studies & EMFI Analysis
- Industrial Engineering
- Green & Renewable Energy
- Energy & Electrical Audit
- HV Panel Design
- Battery Energy Storage System Design
- Maintenance Excellence & Costing
- Telecom



Hosting studies EV and Renewables

CHALLENGES

The main challenges in Renewable energy includes power quality issue, cost issue, Availability of power, Resource location and barrier in information. We at iEngineering provide best possible solution and estimate according to the client's requirement & location climatic conditions. With iEngineering you can be sure of renewable energy system projects.

The challenges faced by world today for EV charger involves constructing adequate charging infrastructure, having electrical grid for reliable performance, insufficient energy storage. For our E-mobility customers iEngineering Group is proud to provide high quality iPower series EV charging station.

WE CAN ASSIST YOU WITH

- Feasibility studies & Quote
- Design & Installation
- Cost Effective solution
- Quality Guarantee
- Customized products



EV CHARGERS

Electric vehicles are becoming the future in most of the continents and so late in Australia too. Australians have been slow to welcome electric vehicles (EVs) compared to drivers in the US, Europe, and China. Carmakers often put this, in part, down to range anxiety, caused by the relatively low number of EV Chargers and EV charging stations in our country in 2017 and before.

We offer wide range of chargers such as AC Charger, Emergency Mobile EV Charger, DC Charging Station, Portable DC Chargers and Pantograph System.

OUR DOMAIN

- Bus Depot
- Multi storey apartments/flats
- Industrial and commercial buildings
- EV Infrastructure operators and EVSE providers
- Commercial fleet operators
- Busy urban areas
- Public corridor charging along the highways.
- Service station operators



OUR SPECIALIZATION

- Feasibility studies for any location.
- Level 3 design with respective Utilities.
- Level 1 Estimation & Construction work.
- Level 2 Service Work
- Supply and Maintenance EV Charger
- Site installation work as per Australian Standards
- Optimization of parking space with smart solutions .
- Software for Smart charging
- Spare parts & Software upgrade.
- Technical support & training.
- Preventive and Reactive Maintenance.
- Safety Design & Construction
- Quality Guarantee





RENEWABLE ENERGIES

Renewable energy as request for clean and renewable vitality is developing altogether, we work persistently to stay decisively on the cutting edge of renewable innovation. Costs of conventional vitality sources are rising, the acknowledgment of natural issues is expanding and political support is developing. You would like a accomplice to guide your organization through these changes to meet modern challenges, maximize proficiency and guarantee the development of your renewable vitality business.

OUR DOMAIN

- Executive Design of Technological Plants
- Plant Layout and Ground Mountings
- Electrical Collector Design
- Grid Connection Studies
- Construction & Site Supervision
- Safety Coordination for Design & Construction
- Road work and civil work
- Remoted locations where no electric supply
- Mining industries
- Flood areas for warning signs
- Low light construction locations
- Agriculture industries





OUR SPECIALIZATION

- Calculations for solar panels and inverters
- Calculation of the battery bank (for off grid projects)
- Sizing of cables
- Layout for earthing
- Diagram with a single line
- Preparation of the bill of materials
- Layout of cables
- The plan of the project
- Assembling the module mounting framework
- Advanced systems and technologies are used to measure the wind.
- An in-depth examination of the wind and climate conditions at the site, including regional and temporal variances
- Assessment of the terrain and its impact on wind flow over the site
- Maximize productivity while lowering project development costs with optional layout design.
- Estimation of long-term average yearly energy production
- Measurements of the Power Curve
- Suitability evaluations for turbines
- Calculation & design of hybrid inverter.
- Right size of windmill and solar system calculation to distribute load properly.
- Battery bank calculation for backup in case of off-grid system.
- solar solutions like solar streetlights, solar lighting towers, solar display light structures, etc.
- Project layout