

WE ASSURE RELIABLE SOLUTION FLAWLESS PRODUCTION



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JPP

Innovative Solutions

ONE STOP SOLUTION FOR ALL TYPE
**ELECTRICAL SYSTEM
AND SERVICES.**



1
Design, Engineering of
Complete Electrical
System



2
Installation &
Commissioning of
Electrical Package



3
Excitation System
Retrofit and Frontend
Replacement



4
Spare and Service
Support



5
Testing and Calibrate
Electrical equipment



6
MCC / PCC Electrical
Panel Manufacturing



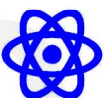
7
Brushless & Static
Excitation System Design
and manufacturing



8
EPC / Trunkey Project
Execution



9
Substation automation
and Power control and
Monitoring SCADA



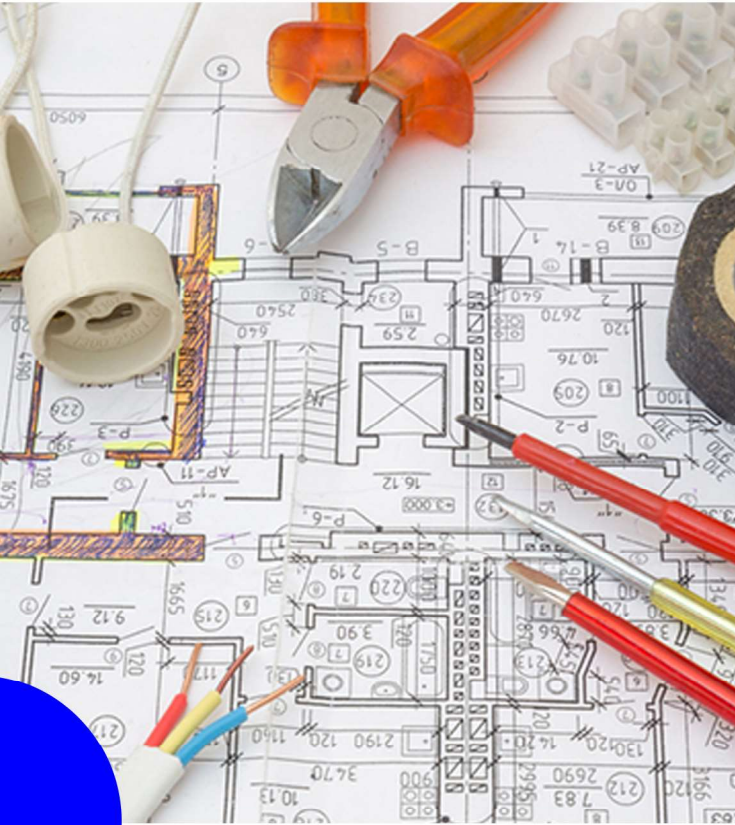
10
Generator / Motor /
Breaker and Transformer
Protection System



11
Test and measurement
instruments



12
VFD and Soft starter
panel



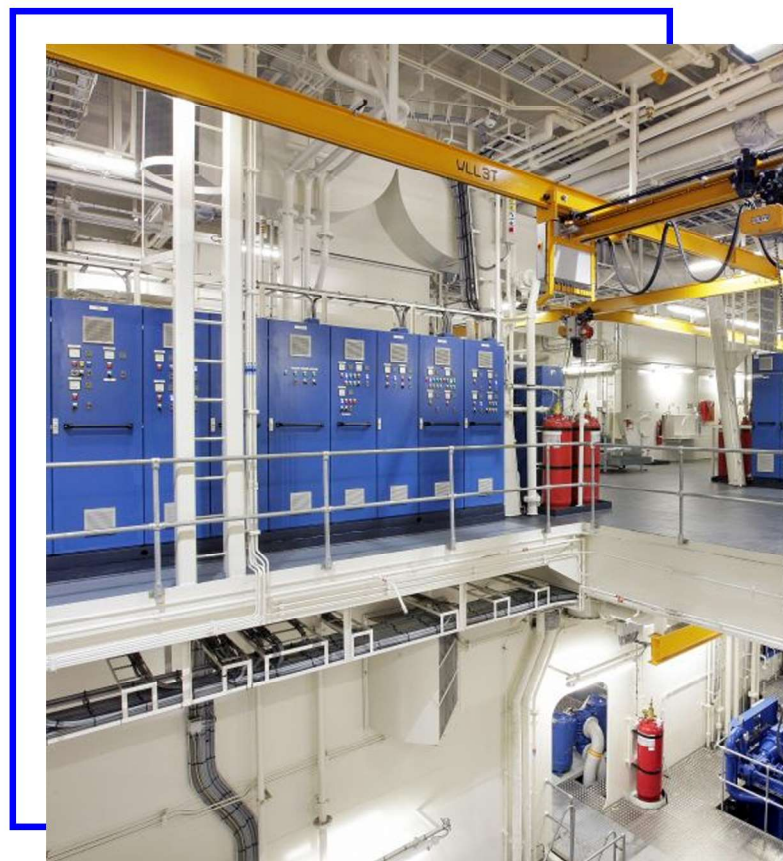
Design, Engineering of Complete Electrical System

- ▶ Basic Study & Engineering
- ▶ Design Calculations & Drawing Preparation
- ▶ Site study
- ▶ Preparation of Tender Specifications
- ▶ Recommendation of Vendor based on technical evaluation of tender
- ▶ Inspection support at Vendor place



Installation & Commissioning of Electrical Package

- ▶ All equipment must be installed to the appropriate design package which is an essential source of information throughout the installation phase of the work.
- ▶ Professional installation by qualified and experienced staff
- ▶ All pre commissioning tests are conducted for all panels
- ▶ Pre erection check
- ▶ Post-erection check
- ▶ Load trial, final commissioning & Handover





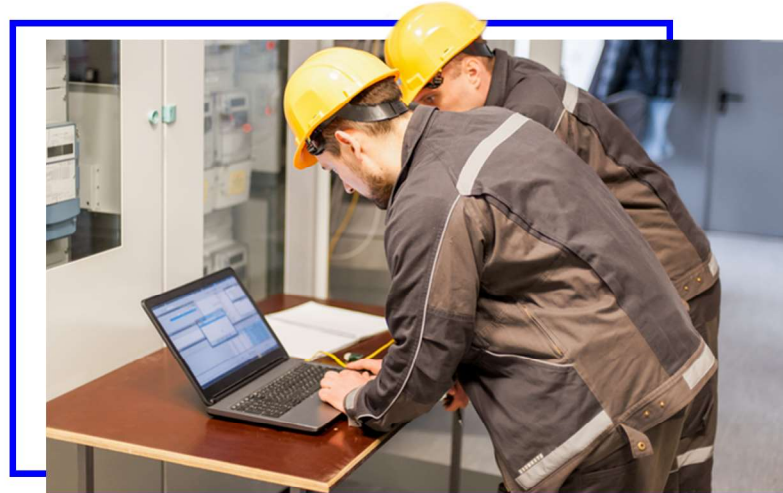
Excitation System Retrofit and Frontend Replacement

- ▶ Our strength is customization solutions and it makes easy to install as per your existing systems.
- ▶ JPP Power representative to know more about various customized solutions that meet your requirements.



Spare and Service Support.

- ▶ Offers a rapid and reliable spare.
- ▶ Our spare parts to strict quality control so that they meet the highest standards, including international ones
- ▶ Fast Delivery.



Testing and Calibrate Electrical equipment

- ▶ Cold testing as per guideline.
- ▶ Power ON test.
- ▶ Testing of control and power circuit.
- ▶ Secondary Injection Testing
- ▶ Programming & Parameterization
- ▶ Retrofitting & Refurbishment





MCC / PCC Electrical Panel Manufacturing

- ▶ Design of MCC/PCC Panel.
- ▶ Manufacturing and testing of MCC/PCC panel.
- ▶ Installation and Commissioning
- ▶ We manufacture PCC panels with rated current ranging from 630A to 6300A
- ▶ MCC/PCC panels are manufactured in a perfectly compartmentalized structure.
- ▶ Premium quality insulators are used to ensure safety.
- ▶ User friendly, safe and reliable



Brushless & Static Excitation System Design and Manufacturing

- ▶ Wide range of Brushless and static excitation system for Synchronous generator and synchronous Motor.
- ▶ Provide retrofit and customized solution.
- ▶ Provide single and dual channel excitation system.





8 EPC / Trunkey Project Execution

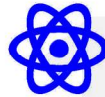
- ▶ Detail engineering
- ▶ Procurement & Supply of Equipment
- ▶ Unloading, Shifting and Erection of Equipment
- ▶ Testing of Equipment as per approved method
- ▶ Pre-commissioning Checks of Equipment & System
- ▶ Closing of all the punch points - Ready for Charging
- ▶ Installation and commissioning



9 Substation automation and Power control and Monitoring

- ▶ Due to timely recognition of faults, equipment damage can be avoided
- ▶ Continuous monitoring and control of distribution network is performed from remote locations
- ▶ Saves labor cost by eliminating manual operation of distribution equipment
- ▶ Reduce the outage time by a system-wide monitoring and generating alarms so as to address problems quickly
- ▶ Improves the continuity of service by restoring service after the occurrence of faults (temporary)
- ▶ Automatically improves the voltage profile by power factor correction and VAR control
- ▶ Facilitates the view of historian data in various ways





Generator / Motor / Breaker and Transformer Protection

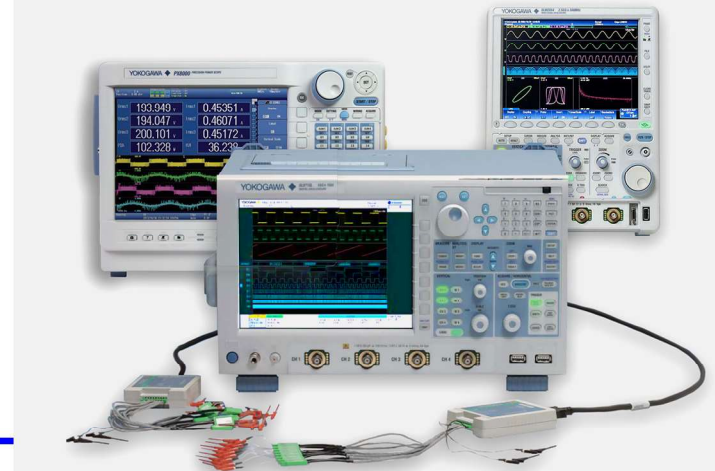


- ▶ Additional monitoring functions
- ▶ High level of functionality integration
- ▶ Functional flexibility
- ▶ Capable of working under a wide range of temperatures
- ▶ They can implement more complex function and are generally more accurate
- ▶ Self-checking and self-adaptability



Test and measurement instruments.

- ▶ Waveform Measurement
- ▶ Power Measurement
- ▶ Optical Test and measurement
- ▶ General Purpose Instruments
- ▶ Portable Test Instruments power meter
- ▶ HV & IR Tester



VFD and Soft starter panel



- ▶ Modular, Compartmental & Non-compartmental design
- ▶ Ingress Protection up to IP55
- ▶ Designed Isc Level – As per Customer Requirement
- ▶ Rated Current – As per Customer Requirement
- ▶ Busbar material – Copper /Aluminum
- ▶ Compact Design Construction

OUR VALUABLE SERVICES



JPP Power maintain 24*7 emergency service support



JPP Power has good engineering strength who understand customer requirement and give the best solution as soon as possible.



We provide AMC (Annual maintenance contract) for all power plant control and protection system.



Expert Training



Spare support and service



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