

CURRICULUM VITAE



Personal Information

Complete name : Putra Kusuma
1st Address : Kayu Manis V Baru Matraman, East Jakarta, Indonesia
2nd Address : Ciuteul Town House Block B4, Garut, West Java, Indonesia.
Mobile Number : +62-815-3744-3744 / +62-812-7793-8036
E-mail : putr4k@elect-eng.its.ac.id / putra.kusuma@outlook.com
Nationality : Indonesian
Date of birth : August 25th, 1984
Gender : Male
Status : Married with 2 Children

Summary

I am an Electrical Power System Engineer involved to feasibility study (FS), front end engineering design (FEED), detail engineering design (DED) and Instrument Calibration Specialist. Not only engineering but also has experience for construction & Installation, pre-commissioning and commissioning especially electrical and instrument system. Familiar and good knowledge of International Standard and SNI (PUIL) such as API, IEEE, ANSI, IEC & NFPA, NEC, International Electrical Testing Association Inc (NETA), The National Electrical Safety Code (NESC).

More experiences on commercial industry plant, petrochemical plant, renewable energy (Geothermal Power Plant), oil and gas sector both of onshore and offshore facilities.

Assessment and inspection electrical activity including Electrical safety Procedure of Operation such as PSSR (Pre Startup Safety Review), Bypass Critical Protection, LOTO (Lockout-Tag out) and implementation.

Specialties:

Electrical Transient Analysis Program (ETAP) for more study cases such as Load-flow Analysis, Short Circuit Analysis, Arc Flash, Motor Acceleration Analysis, Harmonic Analysis, STAR Protective Device Coordination, battery sizing, Capacitor Placement, Battery Sizing Discharge, Transient Stability and Harmonics. Hazardous Area Classification, Grounding system and Lightning Protection System, Safety in Design.

More Electrical Software such as Chalmrite (Lighting Design), Dialux, EDSA, CYME.

Instrument Field Devices Calibration.

Work Experience

Name of Company : PT. Indonesian Service Bureau (Engineering Consultant)

Dates : Jun 12th 2013 until 20th Aug 2014

2nd Joined Apr 01st 2016 until present

Occupation or position held : Electrical Engineer, Engineering Department.

Main activities and responsibilities : Feasibility Study, Feed and Detail Engineering Design.

Karya Energi Jambi

Feasibility Study for PLTBm (Biomass Power Plant 1 x 3MW) and interconnection Study to PLN 20kV Network.

New Development Of Oecusse Airport Project, Timor Leste , BBI

Detail Engineering for Fuel Farm Depot Area Facility.

JOB Pertamina & Petrochina International Jabung Ltd

Relay Protection Coordination Study at Motoa, South West Oscar and Bagong Field,

Detail Engineering for Potable Water Intake Modification, Conceptual Study Modification Grissik Station for Tie- In To Pertagas Pipeline.

Detail Engineering for BCD-CA-46 Condensate Stripper Overhead Compressor, 3rd Membrane & Memguard, EMS Packages, Electrical Monitoring System.

Santos Project

Detail Engineering for Oyong FSO Terminal and FPSO Seagood101 New Gas Engine Generator, Grati Gas Compressor Installation.

Name of Company	: PT. Supraco Indonesia on behalf of Chevron Geothermal Indonesia, Ltd-Darajat (Business Partner)
Dates	: Aug 21st 2014 until Mar 14th, 2016
Occupation or position held	: Electrical Engineer, Facility Engineering Department (Reliability Integrity, Engineering & Construction)
Main activities and responsibilities	: <u>Cooling Tower Direct Drive Project, RMI Bridge, AVR and EDG (Brown field Project)</u> <p>Ensure project compliance to HSE standard and Chevron Engineering Standard, Develop, review and support electrical work scope and specification including drawing issued for construction, Attend SAT and Function Testing to ensure reliable design as per requirement, Conduct Site Inspection and explain work requirement, Conduct construction kick-off meeting with contractors for any additional (Field Change Notice), Develop work Plan with Contractors, operation, maintenance and all relevant parties for execution with minimum interruption to operating plant tripped.</p> <p>Ensure project has registered and get 2nd approval and review at MOC (management of Change) for ready to make of change and execute properly (as MOC Owner), Conduct PSSR (Pre-start up Safety Review) with MOC requestor and all relevant parties including Maintenance and operation Team, Registered as Person Managing and Control of Work by Chevron HES programmed.</p> <p><u>Electrical Protection Assessment</u> Prepare, Update & Data Validation of Overall SLD DRJ Unit 2&3 refer to Vendor Document (by ETAP 12.5) Relay Setting Assessment for Protection Relay Coordination/Star protective devices including arc flash study refers to IEEE & NFPA 70E Standard for DRJ Unit 2&3 LV Switchgear.</p> <p><u>LEAP test for MV Motors</u> Field Coordinate between Vendor and Handling fee of Contractor, Create Detail working Time Schedule. Inform to Maintenance Motor summarized by Vendor Recommendation</p> <p><u>Engineering Work Request:</u> Lightning Protection System Development Review and modification, Develop Battery UPS DRJ 3 Replacement Report, Create UPS specification comply to Chevron Engineering standard, Create Scope of Work, specification for Condition Monitoring of Switchgear (Temp & Connection), Support & collect Vendor data related Partial Discharge Test Online for Main Transformer 150/13.8kV 98MVA. Electrical Technical Bid Evaluation (TBE).</p>
Name of Company	: PT. South Pacific Viscose, Lenzing Group (Commercial Industry and Manufacturer)
Dates	: Jun 28th 2010 until Jan 31th 2013
Occupation or position held	: Electrical Engineer
Main activities and responsibilities	: <u>Lenzing Nanjing Fiber Project (China)</u> <p>Detail Engineering: New Expansion Phase 2, MCC, Cable schedule, Material Take-Off.</p> <p><u>South Pacific Viscose Project (Indonesia)</u> Expansion Line 4 210TPD New Production Line 5 Project at South Pacific Viscose, Purwakarta. Detail Engineering & Installation & Setup configuration of Intelligent Motor Management & Control Devices using SIMOCODE Pro V Siemens. Assist Senior Manager create Work order, Reservation, Purchase Requisition, Pick List, Entry Sheet for job completion Contractor & Material Control with SAP. Electrical Safety Training including Grounding system and Lightning Protection System, Lockout Tag out (LOTO), K3 Kelistrikan (In house Training)</p>
Name of Company	: PT. Powerserv Engineering Indonesia (Power Plant, Oil and Gas Contractor)
Dates	: Jan 1st 2009 until Jun 27th 2010
Occupation or position held	: Electrical & Instrument Engineer
Main activities and responsibilities	: <u>PLTU1 East Java (Indramayu) 3 x 330MW Project</u> <p>Resources and contract under PT.Lasindo (Subcontractor Truba Jaya Engineering)/North China Power Engineering (Beijing) Co,Ltd, Electrical and instrument construction base on AFC drawing and document.</p>

PLTU Tanjung Jati B (Jepara)

Resources and contract under PT.Duta Instrument

Instrument field devices Calibration such as Pressure transmitter, Pressure switch.

PT. Chandra Asri

Protection Relay Coordination Study for MV & Instrument field devices Calibration

Name of Company : **PT. Central Proteina Prima, Shrimp Feed Mill Factory (Industrial)**
Dates : **Nov 1st 2007 to Oct 31th 2008**
Occupation or position held : Electrical Engineer Staff
Main activities : Preventive and Maintenance electrical work.
Dismantle, assembly and installation Induction Motor, Wiring, fixing, assembly, erection, framing, Setting-up of several Panel as Power Main Distribution, Lighting DB, MCC.
Modify Control and Wiring Motor starter VFD, DOL, F/R with Soft start, Smart relay Zelio Modular and Troubleshooting

Practical Trainee Experience

Name of Company : **PT. PLN (GARDU INDUK RUNGKUT, SURABAYA)**
Dates : **March 20th until April 19th 2007**
Occupation or position held : Practical Trainee
Main activities and responsibilities : Management of Maintenance Disconnecting-Switch at Rungkut Substation, Surabaya, East Java.

Name of Company : **PT. Chevron Pacific Indonesia**
Dates : **February 14th until March 13th 2005**
Occupation or position held : Practical Trainee
Main activities and responsibilities : Implementation Dense Wavelength Division Multiplexing (Network of Fiber Optic Backbone)

CERTIFICATION & COURSES

Institution Name : **Lembaga Pengembangan Jasa Konstruksi**
Dates : **May 2016**
License Number : 1.3.301.2.158.29.1137248
Certificate Name : Ahli Teknik Tenaga Listrik

Name of Company : **PT. Jakarta Offshore Training Centre**
Dates : **August 2013**
License Number : 2K13-SSC-004/ISB.03 (Expired)
Courses Name : Basic Sea Survival Training

Name of Company : **PT. Siemens Indonesia**
Dates : **February 13th until February 17th 2012**
License Number : 340C-8301443.01
Courses Name : Simocode Pro V Engineering and Commissioning Course

Name of Company : **Chevron Geothermal Indonesia**
Dates : **2014 and 2015**
Occupation or position held : Electrical Engineer
Courses Name : Managing Safe Work and Operational Excellence Management System,
Person Managing Control of Work (PMCoW),
Working at Height,
Confined Space entry,
Electrical Safe Work Standard (NFPA 70E),
Bypass Critical Protection Standard,
Isolation of Hazardous Energy Standard,
LOTO & Implementation,
Hazard Analysis & RCA (5 why).

Education Background

College : Sepuluh Nopember Institute of Technology (ITS) Surabaya
Dates : Entrance Year: Dec 2005, Graduation Year: Aug 2008
Title of qualification awarded : Degree (S1) with last GPA 3.15 of 4
Occupational skills covered : Power System Engineering

College : Polytechnic of Caltex Riau (PCR)
Dates : Entrance Year: Jun 2002, Graduation Year: Dec 2005
Title of qualification awarded : Diploma Degree with last GPA 2.70 of 4
Occupational skills covered : Electronic Engineering

Personal skills and competences

Technical skills and competences : Feasibility, Feed and Detail Engineering, Construction and Installation including Commissioning of Electrical (Low, Medium & High) and Instrument Works, Power System Analysis & Power Quality Improvement. Electrical Safety Procedure, Electrical Safe Work Standard and Lockout Tagout (LOTO) and Implementation.

Load Flow Study, Short Circuit Calculation & Study, Relay Coordination Study, Lighting & Illumination Level Calculation, UPS/Battery Sizing, Power Cable Sizing, Datasheet, Cable schedule, Schematic Control Wiring Diagram, Connection Diagram and Electrical and Instrument Specification.

Instrument field devices Calibration with High Quality Calibrator and test bench (Pascal 100,B-20 by Scandura, Hart Com By Emerson, ABB and BT by Yokogawa, DryBlock Temperature by Ametek).

Computer skills and competences : Computer Literate Base on Windows Operating System, Microsoft Office and project.

Specialty:

Electrical Power System Project for Engineering, Procurement and Construction, ETAP (Load Flow Analysis, Short Circuit Analysis, Motor Acceleration, Arc Flash, STAR Protective device Coordination, Battery Sizing Discharge, Harmonic Analysis, Transient Stability.

More Electrical Software such as Chalmite (Lighting Design), Dialux, EDSA, CYME.

Instrument Field Devices Calibration.

Sincerely Yours,
Putra Kusuma