



Name : Budi Prasetyawan
Position : Senior Electrical Engineer
Place / Date of Birth : Blitar, May 24, 1975
Education : Jayabaya University (Bachelor)
 Polytechnic Bandung Institute of Technology (Diploma)
 Majoring in Electrical Engineering.
Nationality : Indonesia
Present Position : Senior Electrical Engineer
Phone : +62-813-89050589
Email Address : wawan_budi75@yahoo.com

BRIEF SUMMARY OF EXPERIENCES

I have had more twenty years' experienced as senior electrical engineer for several petrochemical, refineries, fertilizer, utility / offsite, and oil & gas (onshore and offshore) engineering projects, for over twenty years I have worked at several companies such as Rekayasa Industri (National EPC Contractor), Amec, Foster Wheeler, Pertamina and Mandala Energy (PSC) and Conrad Petroleum (Conrad Energy Asia Ltd).

My experiences are including design and review of electrical basic and detail engineering designs.

For basic design, I am experienced with: electrical LV / HV distribution and power system, electrical safety requirement, electrical equipment/material specification, electrical cable sizing, electrical equipment sizing & selection criteria, lighting calculation, grounding calculation, hazardous area classification drawing, single line diagram and data sheet.

For detail design, I am experienced with: control & schematic wiring diagram, cable schedule, electrical equipment & material take off, cable tray / cable route / lighting / earthing / lightning / navigational aids layouts and sometimes telecom and fire alarm layouts and wiring diagrams.

I also have experiences of related engineering services, such as procurement services (preparing requisition and technical bid evaluation, and review vendor drawings), estimating deliverable list and man-hours, endorsement report, as-built drawing, construction supervision, and start-up & pre-commissioning.

EXPERIENCE

Conrad Petroleum

Jan 2020 – Mar 2025

Location : West Natuna Exploration

Position : Senior Electrical Engineer

Responsibilities: Prepare electrical conceptual (pre FEED) until EPCI stage. Review all electrical documents at EPCI stage, such power supply and distribution system, electrical specification, data sheet, cable sizing, cable tray layout, lighting calculation and layout, earthing layout, cable schedule, schematic/interconnection diagram and procurement supports (Technical Bid Evaluation and Vendor drawings).

Mandala Energy Lemang Pte Ltd

June 2019 – Oct. 2020

Project : Akatara Gas Plant

Location : Jambi

Position : Senior Electrical Engineer

Responsibilities: Review all electrical engineering during FEED, optimization cost and prepare document tender for EPC

Pertamina International EP

Oct 2017 – May 2019

Project : Surface Facility Phase 4 Development Project

Location : Algeria

Position : Senior Electrical Engineer

Responsibilities: Review all electrical engineering which developed by EPCI Contractor, including FAT and also as Company representative at Fano – Italy.

Pertamina Hulu Energi Offshore North West Java (PHE ONWJ)

May 2013 – Sept 2017

Position : Senior Electrical Engineer

Responsibilities: Prepare electrical conceptual (pre FEED) until EPCI stage. Review all electrical documents at EPCI stage, such power supply and distribution system, electrical specification, data sheet, cable sizing, cable tray layout, lighting calculation and layout, earthing layout, cable schedule, schematic/interconnection diagram and procurement supports (Technical Bid Evaluation and Vendor drawings).

Foster Wheeler

May 2012 – May 2013

Project : Cilacap Resid Fluid Catalytic Cracking (RFCC) Project

Project Type : Refinery

Position : PMC Electrical Engineer

The project owned by PT Pertamina, located at Cilacap, Central Java. The main contractor are Gold Star (South Korea) & Adhi Karya.

Responsibilities: Review all electrical documents such power supply and distribution system, electrical specification, data sheet, cable sizing, cable tray layout, lighting calculation and layout, earthing layout, cable schedule, schematic/interconnection diagram and procurement supports (Technical Bid Evaluation and Vendor drawings).

Amec Berca Indonesia

September 2011 – April 2012

Project : Anoa Phase 4 Project

Project Type : Oil and Gas

Position : Senior Electrical Engineer

The project owned by Premier Oil Natuna Sea BV, located at Natuna Sea. The main contractor is Timas Suplindo PT Amec Berca was as engineering-subcontractor.

Responsibilities: Prepare and review all electrical documents such power supply and distribution system, electrical specification, data sheet, cable sizing, cable tray layout, lighting calculation and layout, earthing layout, cable schedule, schematic/interconnection diagram and procurement supports (Technical Bid Evaluation and Vendor drawings).

Amec Berca Indonesia
May 2011 – September 2012
Project : Anoa Extension Helideck Project
Project Type : Oil and Gas
Position : Senior Electrical Engineer

The project owned by Premier Oil Natuna Sea BV, located at Natuna Sea. The main contractor is PT. Bakrie Construction PT Amec Berca was as engineering-subcontractor.

Responsibilities: Prepare and review all electrical documents such power supply and distribution system, electrical specification, data sheet, cable sizing, cable tray layout, lighting calculation and layout, earthing layout, cable schedule, schematic/interconnection diagram and procurement supports (Technical Bid Evaluation and Vendor drawings).

Amec Berca Indonesia
September 2010 – June 2010
Project : Early Production Facility Project
Project Type : Oil and Gas
Position : Commissioning Electrical Engineer

The project owned by Mobil Cepu Ltd, located at Bojonegoro, East Java. The main contractor is MAN Ferostal.

Responsibilities: Check and test all electrical equipment to ensure the equipment is properly installation and ready to use according project requirement.

Amec Berca Indonesia
Feb 2008 – May 2010
Project : TUNU 12 & 13 Project
Project Type : Oil and Gas
Position : Senior Electrical Engineer

The project owned by Total Indonesia, located at Mahakam Delta, East Kalimantan, Indonesia. The main contractor was PT Kaliraya Sari and PT Amec Berca was as engineering-subcontractor.

Responsibilities: Prepare and review all electrical documents such power supply and distribution system, electrical specification, data sheet, cable sizing, cable tray layout, lighting calculation and layout, earthing layout, cable schedule, schematic/interconnection diagram and procurement supports (Technical Bid Evaluation and Vendor drawings).

PT. Rekayasa Engineering
September – December 2007
Project : Matak Upgrading Power
Project Type : Oil and Gas
Position : Senior Electrical Engineer

The project owned by ConocoPhillips, located at Matak Island, Indonesia. The main contractor was PT Rekayasa Engineering.

Responsibilities: Prepare single line diagram, re-calculation short circuit, load flow, motor starting all facilities at Matak using ETAP software.

PT. Rekayasa Engineering
May – September 2007
Project : Lube Oil Blending Plant
Project Type : Refinery
Position : Senior Electrical Engineer

The project owned by PT. Pertamina, located at Surabaya, East Java, Indonesia. The main contractor was PT Rekayasa Industri and PT. Rekayasa Engineering was as engineering sub contractor.

Responsibilities: Prepare and review all electrical documents such power supply and distribution system, electrical specification, data sheet, cable sizing, cable tray layout, lighting calculation and layout, earthing layout, cable schedule, schematic/interconnection diagram and procurement supports (Technical Bid Evaluation and Vendor drawings)

PT. Rekayasa Engineering

January – May 2007

Project : Peciko Field Development Project

Project Type : Oil and Gas

Position : Senior Electrical Engineer

The project owned by Total Indonesia, located at Delta Mahakam, East Kalimantan, Indonesia. The main contractor was PT Jetec Engineer Indonesia and PT. Rekayasa Engineering was as engineering sub contractor.

Responsibilities: Prepare and review all electrical documents such power supply and distribution system, electrical specification, data sheet, cable sizing, cable tray layout, lighting calculation and layout, earthing layout, cable schedule, schematic/interconnection diagram and procurement supports (Technical Bid Evaluation and Vendor drawings).

PT. Rekayasa Industri

January – December 2006

Project : Tangguh LNG Project

Project Type : Oil and Gas

Position : Electrical Engineer (Utility Area)

The project owned by BP Indonesia, located at Tanah Merah, Papua, Indonesia. The main contractor was JV PT JGC Indonesia, KBR Indonesia and PT. Rekayasa Industri Responsibilities:

Prepare and review all electrical documents such power supply and distribution system, electrical specification, data sheet, cable sizing, cable tray layout, lighting calculation and layout, earthing layout, cable schedule, schematic/interconnection diagram and procurement supports (Technical Bid Evaluation and Vendor drawings).

PT. Rekayasa Industri

August – December 2005

Project : Gas Booster Station Project

Project Type : Oil and Gas

Position : Electrical Engineer

The project owned by PT. PGN, located at Musi Barat, Palembang, Indonesia. The main contractor was PT. Rekayasa Industri

Responsibilities: Prepare motor list, load list, electrical load calculation, voltage drop calculation and motor starting analysis.

PT. Rekayasa Industri

January – August 2005

Project : Blue Sky Balongan Project

Project Type : Refinery

Position : Electrical Engineer

The project owned by PT. Pertamina, located at Balongan, Indramayu, West Java, Indonesia. The main contractor was PT. Rekayasa Industri & Toyo Engineering

Responsibilities: Prepare motor list, load list, electrical load calculation, voltage drop calculation and motor starting analysis, data sheet, requisition for procurement.

PT. Rekayasa Industri
June – December 2004
Project : Tunu Oily Water Treatment Project
Project Type : Oil and Gas
Position : Electrical Engineer

The project owned by Total Indonesia, located at Delta Mahakam, East Kalimantan, Indonesia. The main contractor was PT Rekayasa Engineering.
Responsibilities: Prepare motor list, load list, electrical load calculation, voltage drop calculation and motor starting analysis using ETAP software.

PT. Rekayasa Industri
December 2003 – May 2004
Project : NPK Malaysia Fertilizer Plant Project
Project Type : Fertilizer
Position : Electrical Engineer

The project owned by NFPS, located at Kedah, Malaysia. The main contractor was PT Rekayasa Industri
Responsibilities: Prepare and review all electrical documents such power supply and distribution system, electrical specification, data sheet, cable sizing, cable tray layout, lighting calculation and layout, earthing layout, cable schedule, schematic/interconnection diagram and procurement supports (Technical Bid Evaluation and Vendor drawings).

PT. Rekayasa Industri
January – November 2003
Project : Urea Bulk Storage and Conveyor System Project
Project Type : Fertilizer
Position : Electrical Superintendent

The project owned by PT. Pupuk Kaltim, located at Bontang, East Kaltim, Indonesia The main contractor was PT Rekayasa Industri
Responsibilities: Manage sub contractor to ensure all electrical equipment installation already appropriate with standard and project requirement.

PT. Rekayasa Industri
June – December 2002
Project : Urea Bulk Storage and Conveyor System Project
Project Type : Fertilizer
Position : Electrical Engineer

The project owned by PT. Pupuk Kaltim, located at Bontang, East Kaltim, Indonesia The main contractor was PT Rekayasa Industri
Responsibilities: Prepare and review all electrical documents such power supply and distribution system, electrical specification, data sheet, cable sizing, cable tray layout, lighting calculation and layout, earthing layout, cable schedule, schematic/interconnection diagram and procurement supports (Technical Bid Evaluation and Vendor drawings).

PT. Rekayasa Industri
March – June 2002
Project : CPO Rimba Belian Project
Project Type : CPO
Position : Electrical Engineer

The project owned by PTPN, located at Pontianak, West Kaltim, Indonesia The main contractor was PT Rekayasa Industri
Responsibilities: Prepare and review all electrical documents such power supply and distribution system, electrical specification, data sheet, cable sizing, cable tray layout, lighting calculation and layout, earthing layout, cable schedule, schematic/interconnection diagram and procurement supports (Technical Bid Evaluation and Vendor drawings).

PT. Rekayasa Industri
March 2001 – March 2002
Project : NPK Fertilizer Plant Project
Project Type : Fertilizer
Position : Electrical Supervisor

The project owned by PT. Petrokimia Gresik, located at Gresik, East Java, Indonesia The main contractor was PT Rekayasa Industri
Responsibilities: Manage sub contractor to ensure all electrical equipment installation already appropriate with standard and project requirement.

PT. Rekayasa Industri
October 2000 – March 2001
Project : NPK Fertilizer Plant Project
Project Type : Fertilizer
Position : Electrical Designer

The project owned by PT. Petrokimia Gresik, located at Gresik, East Java, Indonesia The main contractor was PT Rekayasa Industri
Responsibilities : Provide engineering drawing of all electrical equipment such as power wiring layout, grounding layout, lighting layout, communication wiring layout and fire alarm wiring layout.

PT. Rekayasa Industri
January – September 2000
Project : Urea UFC Plant Project
Project Type : Fertilizer
Position : Electrical Engineer

The project owned by PT. Pupuk Kaltim, located at Bontang, East Kaltim, Indonesia The main contractor was PT Rekayasa Industri
Responsibilities : Provide engineering drawing of all electrical equipment such as power wiring layout, grounding layout, lighting layout, communication wiring layout and fire alarm wiring layout.

PT. Rekayasa Industri
January – December 1999
Project : Kaltim Urea Optimization Project
Project Type : Fertilizer
Position : Electrical Supervisor

The project owned by PT. Pupuk Kaltim, located at Bontang, East Kaltim, Indonesia The main contractor was PT Rekayasa Industri
Responsibilities: Manage sub contractor to ensure all electrical equipment installation already appropriate with standard and project requirement.

PT. Rekayasa Industri
January – December 1998
Project : Kaltim Urea Optimization Project
Project Type : Fertilizer
Position : Electrical Designer

The project owned by PT. Pupuk Kaltim, located at Bontang, East Kaltim, Indonesia The main contractor was PT Rekayasa Industri
Responsibilities : Provide engineering drawing of all electrical equipment such as power wiring layout, grounding layout, lighting layout, communication wiring layout and fire alarm wiring layout.