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**Client: NatureWork LLC**

**Position: QA QC Field Technician (Electrical)**

**Date: 23 June 2023**

**Starting Date: N/A**

**PRASITHIWAT BOONKHRUM**

**EDUCATION**

* **Phatumwan Institute of Technology**

**Bachelor' Degree**

**Major: Electrical Engineering.**

* **North Eastern khon Kean of technology**

**Diploma**

**Major: Electrical Power**

* **North Eastern U-Bonratchatani of technology**

**Vocation**

**Major: Electrical Power**

* **Chakkaratvittaya Naconratchasima province**

**High School**

**Major: Mat-English**

**SKILLS**

**Computer Skills:** **AutoCAD, MS Excel, MS Word, Internet.**

**WORK EXPERIENCE**

Over twenty-five (25) years’ experience gained in the Engineering Construction & Commissioning. Of Oil & Gas Energy Facilities, power plant, Gas separation plant, Chemical plant and Refinery plant. Worked Onshore and Offshore Project with International standard and code.

**Jul 2022 – Present: CFP CLEAN FUEL PROJECT THAI OIL.**

**Owner: THAI OIL (TOP)**

**Consult: PMC/Bechtel’s**

**EPC: SAMSUNG ENGINEERING**

**Position: Electrical Inspector Supervisor**

**Responsibilities:**

* Control management contractor SAMSUNG & TREL Review drawing, method statement, RFI, DATA Test and Test Report and visual Inspection.
* Substation of Individual test all equipment MV&LV. SWGR, Transformers-LV 3.3kv415 & MV 33kv/11kv and 11kv/3.3kv.MCC, CT, PT, Panels VSD, HVAC, MOV, UPS, Charger BATTERY, Motor Compressor. Lighting, Lightning, and Earthing system.
* Pre-Commissioning loop and function and power received for energization with test no-load test motor and compressor.

**Jan 2020 – Jun 2022: ABP1R&2R-BEGRIMM POWER PLANT**

**Owner: B’GRIMM**

**EPC: TPSC Toshiba power plant service company**

**Position: Superintendent E&I. Engineer**

**Responsibilities:**

* Walk down Inspection equipment with substation water treatment plant, Substation Cooling Tower, Substation Lignite and main substation.
* Individual test all equipment MV&LV. Switchgear (ACB) Transformers, MCC, CT, PT, Panels and motor.
* Loop & Function test of all electrical control panels, DCIS and field equipment.
* Startup plant pre-com and commissioning.

**Nov 2017 - Dec 2019: THAI OIL Project (Inhouse)**

**Owner: Thai Oil Refinery sriracha Chonburi**

**AGENCY Supply: Fir croft, LTD**

**Position: Project Field coordinator engineering**

**Responsibilities:**

* Review drawing of design by vender process document.
* Management EPCM all main contract & subcontractor project Thai oil.
* Planning schedule and control progress with final inspection.
* Monitoring and control permit issuer of project.
* Final Inspection Electrical system, commissioning all package before start up plant.
* Management of package turn over after plant start up.

**Dec 2016 – Nov 2017: MRPP1-UNITS 4-7 REPLACEMENT PROJECTMAE MOH POWER PLANT**

**Owner: EGAT**

**Consult: MARUBENI CORPORATION**

**EPC: Siemens, GE, ABB, TJEL**

**Position: Senior E&I Commissioning Engineer**

**Responsibilities:**

* Walk down Inspection equipment with substation water treatment plant, Substation Cooling Tower, Substation Lignite and main substation.
* Individual test all equipment MV&LV. Switchgear (ACB) Transformers, MCC, CT, PT, Panels and motor.
* Loop & Function test of all electrical control panels, DCIS and field equipment.
* Startup plant pre-com and commissioning.
* As-built drawing and documentation hand over ECC document.
* Management commissioning team.

**Feb 2016 – Nov 2016: GULF POWER PLANT**

**Owner: GULF Co., LTD.**

**Consult: AURECON CONSULTANT. Co., LTD.**

**EPC: TOYO Engineering. SNOTHAI. Co., LTD.**

**Position: Owner Engineer (Inspector)**

**Responsibilities:**

* Inspection of construction Transmission Line115 KV22 KV and Steam Transmission line to metering activity and management subcontractor with Review scope of work and planning schedule.
* Inspection and witness equipment completed test pre-com and commissioning with plant startup and energize power to customer.
* Review documentation and approved before hand over to owner.

**Jan 2015 – Jan 2016: Bowin Clean Energy Combine Cogeneration Power Plant Project**

**Owner: BGRIM Power Plant**

**Consult: AFRY Co., Ltd.**

**EPC: Toshiba (Thailand) Co., Ltd.**

**Position: Lead Electrical Engineer**

**Responsibilities:**

* Review scope of work and planning schedule, management subcontractor.
* Review drawing, As-built and design secondary Raceway all process system.
* Installation cable route and cable pulling, Termination all equipment on process system.
* Substation, Switchyard, HRSG#11, 12. Chiller system, Cooling Tower.
* Gas turbine & Steam turbine
* Communication system

**Jul 2014 – Dec 2015: Project RUNG TA WAN -II**

**Owner: JBE (JSR&BST Elastomer Co., Ltd.)**

**Consult: Foster Wheeler co., ltd.**

**EPC: HITACHI Plant Technologies (Thailand) Co., Ltd.**

**Position: E&I Superintendent**

**Responsibilities:**

* Control management Team and subcontractor (ABB, AKTT, GF, and YOKOGAWA) monitor with update Planning Scheduled progress, Daily Report, Weekly Report issue.
* Provide MSRA material, Drawing, Document and issue owner, Review drawing, As-built drawing. And Approve. Installed E&I system, SAT test. Substation, Equipment test or calibration for E&I system. With Energizing power substation.

**Jan 2014 – Jun 2014: Project REVAMP & SHUT DOWN (SPRC.co.th)**

**Owner: SPRC**

**Consult: Foster Wheeler (Thailand) Limited**

**EPC: CB&I, ABB**

**Position: Electrical Construction Engineer**

**Responsibilities:**

* Control and management subcontractor and monitor with update Planning Scheduled progress.
* Review and control document, drawing, As built drawing. And Approve. Installed E&I system, Gas Turbine, DCS system, switchgear, MCC and all distribution supplies cooling tower, water treatment and silo.
* SAT test. Substation, all equipment test or calibration for E&I system. With Energizing power substation. Performance test.
* Pre-commissioning Function and No-Load test of all motor and Loop test signal Instrument system.
* Commissioning startup plant.

**Jan 2013 - Dec 2013: Project SBOU**

**Owner: EXXON MOBINE (ESSO Refinery)**

**Consult: Foster Wheeler (Thailand) Limited.**

**EPC: Siemens water**

**Position: E&I Construction and Pre-Commissioning**

**Responsibilities:**

* Control management subcontractor (ABB) and monitor with update Planning Scheduled progress.
* Safety planed activity every day, walk down, audit, KPI, pre-job starts, and completed job closed.
* Review and Issue permitted, ITP, Procedure, Method statement, drawing, As built drawing, Approval. Installed E&I system, SAT test new Substation#29, Equipment switchgear (HV/LV), MCC, Interface panel, motor, Transformer, UPS, and Lighting system.
* Instrument Calibration and installation, on local and control room. Energizing power substation, all distribution and all equipment.
* Pre-commissioning Function and No-Load test of all motor and Loop test signal Instrument system.

**Feb 2012 – Jan 2013: EGP. Ever Green Power plant Project**

**Owner: Ever green**

**Consult: AEC.A engineering consultants., Limited. Co., Ltd.**

**EPC: China service. Co., Ltd.**

**Position: E&I Construction and Commissioning**

**Responsibilities:**

* Control and management subcontractor (China) and monitor with update Planning Scheduled progress.
* Review and control document, drawing, As built drawing. And Approve. Installed E&I system, Gas Turbine, DCS system, switchgear, MCC and all distribution supplies cooling tower, water treatment and silo.
* SAT test. Substation, all equipment tests or calibration for E&I system. With Energizing power substation. Performance test.
* Pre-commissioning Function and No-Load test of all motor and Loop test signal Instrument system.
* Commissioning startup plant.

**Nov 2009 – Dec 2011: SCG DOW Chemical.co. Ltd.**

**Owner: SCG Dow Chemical**

**Engineering & Construction Department.**

**Expansion plant PE, PU, PS and Latex, Polymer Project.**

**Position: E&I Inspector**

**Responsibilities:**

* Construction and commissioning in process plant. Inspection all equipment and Survey location take note detail demolish plant Process. New plant Process, E&I Construction and Pre-Commissioning.
* Control and management subcontractor and monitor with update Planning Scheduled progress.
* Review drawing, As built drawing. Installed E&I system, Soot blower, Skin temp Element, Hydraulics Oil skid.
* SAT test. Substation, VSD, MCC, Motor, Valve, Instrument Metering, Temperament, Heat trenching.

**Dec 2008 – Aug 2009: Austrian Energy Environment.co. Ltd.**

**MOC.CRACKER7 Project. SCG.Thailand.co. ltd.**

**Position: E&I Construction and Commissioning**

**Responsibilities:**

* Control management (EEE) subcontractor and monitor with update Planning Scheduled progress.
* Review drawing, As built drawing. And Approve. Installed E&I system, Gas turbine 3-unit, Water treatment, Analyzer house.
* SAT test. Substation, Equipment or calibration for E&I system. Energizing power substation.
* Pre-commissioning Function and No-Load test of all motor and Loop test signal Instrument system.
* First Fire gas turbine, commissioning starts up.

**Aug 2007 - May 2008: Mitsubishi Heavy Industries**

**Ratchaburi power plant Project. EGAT.**

**Position: E&I commissioning**

**Responsibilities:**

* Planning schedule, control personal Issue permit.
* Main substation Transformer, MCC, Switch gear, DCS, Fire protection, Cooling Tower, Gas turbine, Steam turbine, pump house.
* SAT test. Substation, Equipment test or calibration for E&I system. With Energizing power substation.
* Pre-commissioning Function and No-Load test of all motor and Loop test signal Instrument system.
* Commissioning and Start up.

**Feb 2007 – Jul 2007: MPS Miter Project Service.co. Ltd.**

**PVC Line9 Project. PTT CHEM co., ltd.**

**Position: E&I commissioning engineer**

**Responsibilities:**

* E&I Commissioning. With petrochemical plant.
* Main Substation 22KV, Switch gear, MCC, H/V & L/V Motor, control room, DCS, UPS, and lighting system.
* Pre-commissioning. Equipment test and recorder. Wiring checked, Loop confirmation.
* Function test, No-Load test of all motor. Full Loop test Interface panel checked and test signal Instrument system.
* Startup plant with document and report prepared hand over operator.

**Nov 2005 – Dec 2006: Brunel’s Technical Service.co., Ltd**

**ALCAN G#3 (sat ta hip) & (VietnamG#4) Project. ALCAN Austrian company.**

**Position: E&I Inspector, Commissioning**

**Responsibilities:**

* Control management subcontractor (Tyco) and monitor. Planning Scheduled Update progress. Issue to Owner, Subcontractor.
* Document QC. commissioning package transfer plant Austrian.
* Review drawing, As built drawing. And Approve. Installed E&I system, equipment module on platforms, Hydraulics Oil skid, conveyer control machine, Silo control, measurement etc.
* SAT test. Equipment test or calibration for E&I system. Temporary power Energizing substation.
* Pre-commissioning Function and No-Load test of all motor and Loop test signal Instrument system.

**Nov 2004 – Oct 2005: Samsung Engineering. Co., Ltd.**

**Songkhla Gas Separate plant Project. TTM. TranThai Malaysia.co., ltd.**

**Position: Electrical supervisor**

**Responsibilities:**

* Electrical system, substation, Main pipe Rack and Tower, cabling, equipment MCC, Motor, DCS, UPS, Lighting, Grounding and heat teaching system etc.
* Control management subcontractor and monitor with update Planning Scheduled progress.
* Review drawing, As built drawing. And Approve. Installed Electrical system.
* SAT supervise test. Substation, Equipment test or calibration for Interface. E&I system.
* Energizing power substation.
* Pre-commissioning Function, No-Load test of all motor and Loop test signal Instrument system.
* Commissioning Start up.

**Feb 2000 - Aug 2002: Kinden (Thailand). Co., Ltd.**

**HMH 6SB Plant. Project. SCG & Mitsubishi Heavy Industries., ltd.**

**Position: E&I Inspector**

**Responsibilities:**

* E&I Construction and Commissioning.
* Control and management subcontractor and monitor with update Planning Scheduled progress.
* Review drawing, As built drawing. And Approve. Installed E&I system, equipment module substation, UPS, MCC, Switchgear, Machine, Hydraulics Oil skid, process, and Fire protection.
* SAT test. Substation, Equipment test or calibration for E&I system. With Energizing power substation.
* Pre-commissioning Function and No-Load test of all motor and Loop test signal Instrument system.

**Aug 1998 - Nov 1999: Mitsubishi Heavy Industries**

**Ratchaburi power plant# 850 MW Project. EGAT.**

**Position: E&I commissioning engineer**

**Responsibilities:**

* E&I Inspection and Commissioning.
* Review drawing, As built drawing. And Approve. Installed E&I system, Soot blower, Skin temp Element, Boiler, substation, MCC, DCS, Gas turbine, Steam turbine etc.
* Inspection all equipment E&I and Document control Issue Owner, subcontractor, planned Hydra test, blower boiler head exchanger, pump house, Utility system.
* SAT test. Substation, all Equipment test or calibration for E&I system. With Energizing power substation and AC withstand.
* Pre-commissioning Function and No-Load test of all motor and Loop test signal Instrument system. Commissioning Plant startup.

**Aug 1997 - Aug 1998: Fluor Daniel Eastern., INC.**

**Bangkok Cogeneration Power Plant10 MW. Project. BIG plant.**

**Position: E&I commissioning**

**Responsibilities:**

* E&I Commissioning.
* Document Review drawing, As-built drawing And Approve. Installed E&I system.
* SAT test. Substation, MCC, DCS, (Mark5.controller GE.) Equipment test or calibration for E&I system, Loop, Function test Energizing power distribution panels and substation.
* Pre-commissioning Function and No-Load test and On load test of all motor and Loop test signal Instrument system.
* First Fire Steam turbine and generator.
* Startup power plant.

**Feb 1996 - Jul 1997: Mitsui.co. Ltd. & Toshiba Construction Joint Venture.**

**South Bangkok Power plant 650x2 MW. Project. /EGAT.**

**Position: E&I commissioning.**

**Responsibilities:**

* E&I Commissioning.
* Review drawing, As built drawing. And Approve document package. ITP, data test.
* Substation Transformer, MCC, Switchgear, SUS, UPS, lighting system, Boiler and Gas Turbine, Soot
* blower, Skin temp Element, Fire protection, Hydraulics Oil skid.
* SAT test. Substation, all Equipment test or calibration for E&I system. With Energizing power substation and AC withstand.
* Pre-commissioning Loop, Function test and No-Load and On-load test of all motor and Loop test signal Instrument system.
* Boiler blow out and Fist Fire Gas turbine.
* Commissioning Startup Power plant.

**Jul 1995 – Jan 1996: Oil Tools.co. Ltd.**

**New Rick Oil (FUNAN) Plant.**

**Project. UNOCAL (Chevron) ltd.**

**Position: E&I Sup. Off shore.**

**Responsibilities:**

* Leadership E&I Construction and Commissioning.
* Supervise Control and management team with update Planning Scheduled progress. And report recorder prepared installation tools, equipment module, and location.
* Review drawing, As built drawing. Installed E&I system, Main distribution panels, lighting system, FT, PT, LT, TT Skin temp Element, Hydraulics Oil skid.
* SAT test. Substation, Equipment test or calibration for E&I system. With Energizing power substation.
* Pre-commissioning Loop Function and No-Load and On-load test of all motor and Loop test signal Instrument system.
* Commissioning Startup plan

**Aug 1994 - Jun 1995: TOTEMS SAEL & SERVICE.co. Ltd.**

**Sai-Noi power plant. Gas Turbine. 600X2 MW. Project. EGAT.**

**Position: E&I Lead Technician.**

**Responsibilities:**

* Construction & Commissioning.
* Review document and drawing, as built drawing, Wiring diagram check, Substation Gas turbine, Control room, Hydraulics Oil skid, Substation, MCC, DCS, HV/LV, Transformers, Transmission line yard.
* Control balance of material with management subcontractor. and supervise module and equipment installation
* SAT test. Substation, all Equipment test or calibration for E&I system. With Energizing power substation.
* Pre-commissioning Loop Function and No-Load and On-load test of all motor and Loop test signal Instrument system.
* Commissioning and Start up plant.

**Jul 1991 - Jun 1994: EGAT Nam pong combine cycle power plant Khon Kean.**

**Owner: EGAT.**

**Consult: Black and Veatch (BV)**

**EPC: EMCO FROCY Thailand co., ltd.**

**Position: Construction & Commissioning**

**Responsibilities:**

* Power plant Gas turbine and steam turbine. Common plant.
* Study and Training cause. Review drawing, As built drawing. Wiring check, Switchgear, DCS, Battery charger, Boiler, Gas & Steam turbine, Damper, blower, Hydraulics Oil skid, Substation, MCC, DCS, HV/LV, Transformers, Transmission line yard. And Fire protection.
* SAT test. Substation, all Equipment test or calibration for E&I system. With Energizing power substation.
* Pre-commissioning Loop Function test, No-Load and On-load test of all motor and Loop test signal Instrument system.
* Commissioning Start up plant.