CURRICULUM VITAE

**Name :** **M. Edy Sunarto**

**Profession :** Management, SeniorMechanical Engineer, Translator

**Date of Birth :** September 12, 1953

**Nationality :** Indonesian

**Education :**

Brawijaya University, Malang, Faculty of Engineering, Department of Mechanical Engineering, Graduated as **Bachelor Degree** on April, 1983 and **Mechanical Engineer** on April 06, 1984**.**

SKAT, Switzerland and GTZ, Germany, Special Course & Training on Small Turbine and Pump Testing, at EPFL Lausanne and EINEV Yverdon, Switzerland (November 26,1988).

**Languages :** **Speaking Reading Writing**

 English Good Good Good

 Indonesian Native Native Native

 Javanese Native Native Native

**Membership in Professional Societies :**

* The Association of Engineers, Indonesia (Persatuan Insinyur Indonesia/PII)
* Indonesian Electricity Society (Masyarakat Kelistrikan Indonesia/MKI)
* Indonesian Society of Construction Expert (Asosiasi Tenaga Ahli Konstruksi Indonesia)

Key Qualifications :

* More than **28 years** professional experience as Mechanical/Turbine Engineer in Steam Power Plant (SPP), Coal Fired Steam Power Plant (CFSPP), Combined Cycle Power Plant (CCPP), Small Hydro Power Plant (SHP) and Diesel Power Plant (DPP)
* More than **16 years** of which involved in developing SPP, CFSPP, CCPP, SHP and DPP for **BPP Teknologi** (Agency for the Assessment and Application of Technology), Ministry of Mines and Energy – Directorate General for Electricity and Energy Development and **PT. PLN (Persero)** of Indonesia, financed among others by National Budget, PLN Budget, and jointly by the World Bank and Japan Bank International Cooperation as well.
* Gas/Steam Turbine Engineer in more than **10 major** PT PLN (Persero) projects including **Palu CFSPP 2x10 MW (F/S); Pemaron CCCP (146 MW) (E/D); Nunukan CFSPP (2x6 MW) (F/S); Grati Block III CCPP (460 MW) (F/S); Peranap CFSPP (2x250 MW) (F/S); Tanjung Priok CCPP 750 MW (F/S); Pesanggaran CCSPP Unit 4 and 5 (80 MW) (F/S); Sambas, Singkawang, Pontianak DPP (2x2.5 MW, 3x2.5 MW, 2x1.5 MW) (C/S)** involving engineering design as well as construction supervision of gas turbine and associated auxiliary package, steam turbine, and gas and steam turbine generator, inspection of materials to be used at site, reviewing preparation of commissioning procedure and perform pre-commissioning, start-up and commissioning, and performance test of power station.
* MME – **Directorate General** Member of Technical Committee for the

 **for** **Electricity & New Energy** Standardizing Rural Electricity and for Turbine Technology (1987 – 1994)

* **German GATE/GTZ** Counterpart toTechnical Consultant, Mission for the Survey on MHP Potential in South Sulawesi (1987) and, in West & North Sumatra (1990)
* **SKAT**, Switzerland **Associate Partner**, for preparing (translation and editing) up to the publication of the Indonesian version of ***Hydraulics Engineering Manual*** (1991) and of ***Micro Pelton Turbines*** (1992)
* **PT. Siemens Indonesia € Contract Elaborator and Negotiator**, for Electric Power Plant Projects with both domestic (including PLN) and foreign parties including OEMs’ representatives (1988 - 1995)

 **€ KWU Project Hydro (KPH) Manager**, PLN’s Tapen SHEPP Project (1995 - 1997)

**Employment Records**, preselected out of 14 sheets in total

*July 29, 2016 – March 31, 2021*

*Name of assignment or project* : QA/QC Project Team Leader for Lontar Extension (1 X 315MW) Coal Fired Steam Power Plant Project

*Location* :Lontar, Kemiri, Tangerang District, Banten Province

*Client* : PT Prima Layanan Nasional Enjiniring (PLNE) jointly with PT. PLN (Persero) Pusat Manajemen Konstruksi performing Service Level Agreements obtained from and for the Project Owner as follow:
PT PLN (Persero) UIP Jawa Bagian Barat – Cinere - Depok

*March 14, 2016 – July 28, 2016*

*Name of assignment or project* : Site Manager for the Construction Supervision of Duri, Balai Pungut 3 X 25MW Gas Fired Mobile Power Plant Project

*Location* :Balai Pungut, Pinggir, Bengkalis District, Riau Province

*Client* : PT Prima Layanan Nasional Enjiniring (PLNE) performing Service Level Agreements obtained from and for the Project Owner as the following:
PT Pelayanan Listrik Nasional Batam

*January 2, 2012 – March 31, 2014*

*Name of assignment or project* : QA/QC Advisory Team Leader serving the client for ensuring the achievement of optimum quality of works of more than ten PLTU (Steam Power Plant), PLTMG (Gas Engine Power Plant) and CCPP Projects

*Location* :outside Java (Kalimantan, Riau and Jambi)

*Client* : PT PLN (Persero) Jasa Manajemen Konstruksi performing Service Level Agreements obtained from and for the Project Owner as follows:

PT PLN (Persero) UIP I - Medan;

 PT PLN (Persero) Pembangkit Sumatera Bagian Selatan - Palembang;

 PT PLN (Persero) UIP IX - Banjarbaru; and,

 PT PLN (Persero) UIP X - Balikpapan

*Position / Function* : Power Plant Project QA/QC Advisory Team Leader

**Detailed Tasks Performed** includes :

* Lead and manage technically the in-house built QA/QC Advisory Team consisting of outsourced discipline QA/QC Engineers carrying out the targeted works;
* Undertaking all relevant tasks with optimum contribution for the project QA/QC since early stage of generating equipment designing, their manufacturing and fabrication, inspection at shop, requirement satisfying handling/storaging/preservation up to their at-site construction supervisory and quality controlling including also documentation; and therefore elaborating reports those deal with factual working condition and capability of the contractor in putting the unit into proper operation as well as the extent of scope of works required to include within the project proceed;
* Doing any study and assessment so required jointly with teamwork particularly on those under scope of responsibility;
* Helping the management formulate the priority order of works’ items for its individual conductance over its specific contributing role in achieving the project goal, basically in terms of technical and in any aspects of quality considerations, including also drafting letters so required;
* Jointly preparing any official documentation as per standard prevailing procedures so required addressing internationally acceptable and safe operability of the generating equipment employed.

*July 28, 2008 – July 27, 2009 and extended twice up to end of October 2011*

*Name of assignment or project* : QA/QC Engineering Services for PLTU 2 Banten, Labuan Project

*Location* :Labuan, Banten

*Client* : PT (Persero) PLN

*Position* : Senior Steam Turbine QA/QC Engineer and then Senior Mechanical QA/QC Engineer assigned by **SNC-Lavalin**

**Detailed Tasks Performed** includes :

* Undertaking all relevant tasks with optimum contribution for the project team especially in the construction supervisory and quality controlling of steam turbine proper and its auxiliaries including also documentation; and therefore elaborating reports those deal with factual working condition and capability of the contractor in putting the unit into proper operation as well as the extent of scope of works required to include within the project proceed;
* Doing any in-depth study and assessments so required jointly with teamwork particularly on those are under scope of responsibility: the steam turbine and condenser, completed with their associated apparatus;
* Helping the team leader formulate the priority order of works’ items for its individual conductance over its specific contributing role in achieving the project goal, basically in terms of technical and in any aspects of quality considerations;
* Jointly preparing any official documentation as per standard prevailing procedures so required addressing internationally acceptable and safe operability of the turbine and its auxiliaries employed.

*April 3, 2006 – March 22, 2008*

*Name of assignment or project* : Engineering Services for Semarang Steam Power Plant Rehabilitation and Gasification Project

*Location* :Central Java

*Client* : PT PLN

*Position* : Steam Turbine Engineer assigned to working for Newjec Corporation, Colenco Engineering, Kwarsa Hexagon and Hasfarm Dian Konsultindo consulting associates

**Detailed Tasks Performed** include :

* Undertaking all relevant tasks with maximum contribution for the project team especially in the collection and selection of data related to steam turbine and its auxiliaries from existing documentation; and based on which analyzing performance records and engine overhauls ever performed to date since its initial commercial commissioning and therefore elaborating reports those deal with factual operating condition and capability of the unit as well as the extent of scope of works required to include within the project proceed;
* In-depth study and assessments done jointly with expatriates among the turbine team particularly on two generating components of the unit to rehabilitate and be increased its output those are the steam turbine and condenser, completed with their associated apparatus;
* Helping the team leader formulate the priority order of works’ items for its individual conductance over its specific contributing role in achieving the project goal, basically in terms of technical and budgetary considerations;
* Jointly preparing any official documentation as per standard prevailing procedures so required for international bidding through bidders prequalification process;
* From technical point of view, as part of the above was the elaboration of Technical Specification and Bid Document on Steam Turbine and its auxiliaries, in which Condenser included; inclusive of estimated Bill of Quantity and engineering estimate for steam turbine and its associates;
* Arising engineering judgments for the final preparation of item works to include in the proceed significantly fulfilling the limitation of project budget to implement;
* Actively taking part as a PLN-Engineer member in either technical clarification or negotiation meetings with the winning bidder;
* Supported Project Manager and Team Leader in report making, elaborating minutes of meetings, and the formatting of Bid Documents for this very project up to the execution of bidding and contract negotiation.

***From January 01, 1988 – January 8, 1998***

Employer : **PT. Siemens Indonesia**

Position Held : Senior Mechanical Engineer; KWU Marketing, Project Hydro (KPH) Manager

Location : Jakarta

**Detailed Tasks Performed** includes :

* Contract Elaborator and Negotiator, for Electric Power Plant Projects with both domestic (incl. PLN) and foreign parties, 1988 – 1995
* KWU Project Hydro (KPH) Manager, performing the awarded contracts from PLN for the development of Sepakat and Tapen SHEPP Projects, 1995 – 1997
* Continuing the performance of assigned tasks jointly taken care of as member of Technical Standardizing Committee on Turbines and Rural Electrification, Directorate General Electricity and Energy Development as well as attending, taking part in and jointly organizing seminars, workshops and varied trainings in the field towards their further sustainable dissemination all over the country

***From April 20, 1984 – December 15, 1987***

Employer : German GATE/GTZ

Position Held : Mechanical Engineer; Counterpart of Technical Consultant

Location : Jakarta and project sites

**Experience Records**

October 28, 2002 – July 27, 2003 (10 months)

*Name of assignment or project* : Feasibility Study of Peranap Coal Fired Steam Power Plant (2 x 250 MW), Riau Province (F/S).

*Location* : Peranap – Riau Province.

*Client* : PT Indonesia Power

*Position* : Balance of Plant (BOP) Engineer

*Activities performed* : Responsible for:

* Analyze the number, condition and characteristic of fuel materials.
* Analyze the balance of fuel and plant cycle.
* Establish the plant efficiency.
* With Electrical Engineer, to survey the electrical system, load centers, and analyze the integration connection of project with the existing system.
* With Transmission Engineer, to study the transmission and its capacity to supply the electric demand in the future time and the increasing probability of electric supply capacity.
* With Transmission Engineer, to study the interconnection system, if the project of power plant is insist in the interconnection system.
* To study the power plant operation concept and its development in the future time.