



HENDRA SAPUTRA

Experience

December 2017–July 2020

EPC Contractor • General Manager EPC • PT. ANDALAN SEJAHTERA TRITEKNIKA.

Responsible for all activities in the Engineering Procurement Construction (EPC) division in accordance with the management system procedures applicable in the company.

Prepare a work plan for the next year according to the Key Performance Index (KPI).

Provide support in the preparation of technical proposals needed by marketing to participate in the bidding.

February 2015–November 2017

Engineering Consultant • Private Consultant

Performing the Front-End-Engineering Design (FEED) process starting from surveys, topography, soil tests, layout planning, calculations, Design Philosophy, Process Flow Diagram, Specification, data sheets and providing Bill of Quantity estimates.

Providing Detailed Engineering Design (DED), including design calculations, technical datasheets, work procedures, Piping & Instrument Diagrams, general arrangement drawings, detailed drawings, shop drawings / spool drawings and bill of materials.

Provides a detailed analysis of a feasibility study for a business.



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June 2012–January 2015

EPCI Contractor • Head of Fabrication Workshop • PT. TIMAS SUPLINDO.

Responsible for the fabrication process in the workshop.

Prepare a fabrication work plan as required by the client by considering time schedule, quality and work safety aspects.

Ensuring the fabrication process is in accordance with the productivity and efficiency targets that must be achieved.

November 2006–May 2012

EPC Contractor • Engineering Manager – Project Manager • PT. SAS INTERNASIONAL.

Responsible for all activities in the Engineering Procurement Construction (EPC) division in accordance with the management system procedures applicable in the company.

Prepare a work plan for the next year according to the Key Performance Index (KPI).

Provide support in the preparation of technical proposals needed by marketing to participate in the bidding.

March 2006–September 2006

Sugar Refinery • Power Plant Advisor • PT. PERMATA DUNIA SUKSES UTAMA

Prepare all material requirements, drawings and technical specifications in accordance with the requirements specified by the client.

responsible for the scope of work of the boiler package and proper, steam turbine package, piping and other mechanical equipment in the power house area.

☐ Prepare for functional test and commissioning work.

February 2005–March 2006

Sugar Refinery • Power Plant Superintendent •
PT. SAS DHARMAPALA USAHA SUKSES

Provide guidance and training to all operators in the power house in accordance with established Standard Operating Procedures.

Providing training to all operators, with the aim of being able to understand their respective duties so that when a black-off occurs due to unexpected problems, they can take appropriate action.

Prepare maintenance procedures for all equipment in accordance with those specified by the manufacturer.

August 2003–January 2005

Contractor • Technical Manager • PT. MITRA PUNDI ARTA

Responsible for preparing detailed engineering designs that will be used for fabrication, erection and installation work.

Prepare all material requirements that have been determined in accordance with technical specifications.

June 2000–August 2003

Engineering & Construction • Engineering Section Head •
PT. SAS HASAKONA BINACIPTA

Provide technical support for fabrication, erection and installation process.

Perform initial process calculations and detailed drawings and bills of materials.



November 1997–May 2000

Fabricator • Senior Design Engineer • PT. HANJUNG KOREA HEAVY INDUSTRY

Provide design mechanical calculation for pressure, heat exchanger and welded steel tank.

Provide mechanical data sheet for pressure vessel, heat exchanger and welded steel tank.

Provide a detailed draft drawing for later drawing by the drafter

September 1993–November 1997

Shipyard • Mechanical Engineer • PT. NOAHTU SHIPYARD

Provide design mechanical strength calculation, stability calculation, hydrostatic curve, detail drawing and shop drawing.

Education

Institute Technology of Sepuluh November, Surabaya
Naval Engineering

Skills

1. CALCULATION: Pressure Vessel, Welded Steel Tank, Fluid Mechanic, HVAC, Pipe Stress Analysis, Heat Transfer.
 2. COMPUTER: MS-Office, MS-Project, Visio, Auto Cad, PV-Elite.
 3. CODES & STANDARD: ASME Code, API-650, AWS, ANSI, etc.
 4. MANAGEMENT: Project Management, Workshop Management
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NO	PROJECT PORTFOLIO	SCOPE OF WORK	CLIENT
	CONSULTANT EXPERIENCE		
1	Project "Pembangunan Fero Nickel Mini Smelter 150 TPD"	Detail Engineering Design : 1. Basic Design Process 2. Calculation Sheets 3. Equipment Datasheets 4. Layout Design Optimization 5. Equipment Specification 6. Detail Drawing 7. Fabrication and Shop Drawing 8. Material Take Off 9. Work Procedure (Fabrication, Erection, Installation, Test and Commissioning)	PT. Sambas Minerals Mining
2	Fuel Oil Storage Tank Balikpapan Project, 10 x 54 KL	Detail Engineering Design : 1. Basic Design Process 2. Calculation Sheets 3. Equipment Datasheets 4. Layout Design Optimization 5. Equipment Specification 6. Engineering Detail Drawing 7. Material Take Off 8. Work Procedure (Fabrication, Erection, Installation, Test and Commissioning)	PT. Prima Wiguna Parama
3	TBBM Maumere Project	Front - End Engineering Design : 1. Basic Design Philosophy 2. Calculation Sheets 3. Equipment Datasheets 4. Equipment Specification 5. Layout Drawing 6. General Arrangement Drawing 7. Bill Of Material	PT. Pertamina MOR
4	Island Berth and SPL of LPG Balongan Project	Front - End Engineering Design : 1. Basic Design Philosophy 2. Calculation Sheets 3. Equipment Datasheets 4. Equipment Specification 5. Layout Drawing 6. General Arrangement Drawing 7. Bill Of Material	PT. Pertamina MOR
5	Sumbawa Terminal Tank 12 x 5000 KL Project	Detail Engineering Design : 1. Basic Design Process 2. Calculation Sheets 3. Equipment Datasheets 4. Layout Design Optimization 5. Equipment Specification 6. Engineering Detail Drawing 7. Material Take Off 8. Work Procedure (Fabrication, Erection, Installation, Test and Commissioning)	PT. Samota Petromigas Entebe
6	Samarinda Terminal Oil Tank Project	Detail Engineering Design : 1. Basic Design Process 2. Calculation Sheets 3. Equipment Datasheets 4. Layout Design Optimization 5. Equipment Specification 6. Engineering Detail Drawing 7. Material Take Off 8. Work Procedure (Fabrication, Erection, Installation, Test and Commissioning)	PT. Puma Energy

7	Teluk Kabung LPG Spherical Tank 2x1 500MT Project	Detail Engineering Design: 1. Basic Design Process	PT. Pertamina MOR
		2. Calculation Sheets	
		3. Equipment Datasheets	
		4. Layout Design Optimization	
		5. Equipment Specification	
		6. Engineering Detail Drawing	
		7. Material Take Off	
		8. Work Procedure (Fabrication, Erection, Installation, Test and Commissioning)	
8	Menado LPG Spherical Tank 2 x 1000 MT Project	Detail Engineering Design : 1. Basic Design Process	PT. Pertamina MOR
		2. Calculation Sheets	
		3. Equipment Datasheets	
		4. Layout Design Optimization	
		5. Equipment Specification	
		6. Engineering Detail Drawing	
		7. Material Take Off	
		8. Work Procedure (Fabrication, Erection, Installation, Test and Commissioning)	
9	Medical Waste Incinerator Plant Project	Project Management Consultant	PT. Jasa Medivest
10	Lombok Cardiovascular Center Hospital Project	Detail Engineering Design : 1. Basic Design Process	Yayasan Kolbu Lombok
		2. Calculation Sheets	
		3. Equipment Datasheets	
		4. Layout Design Optimization	
		5. Equipment Specification	
		6. Engineering Detail Drawing	
		7. Material Take Off	
11	Belawan LPG Spherical Tank 2 x 2500 MT Project	Front - End Engineering Design : 1. Basic Design Philosophy	PT. Pertamina MOR
		2. Calculation Sheets	
		3. Equipment Datasheets	
		4. Equipment Specification	
		5. Layout Drawing	
		6. General Arrangement Drawing	
		7. Bill Of Material	
12	Other Project Experience : 1. Incineration System Project	Engineering, Fabrication & Install.	
	2. Slurry Filter Press Package	Engineering, Fabrication & Install.	
	3. Water Treatment Plant	Engineering, Fabrication & Install.	
	4. Waste Water Treatment Plant	Engineering, Fabrication & Install.	
	5. Fabrication of Pressure Vessel and Heat Exchanger	Fabrication	
	6. Site Fabrication, Erection of Oil Storage Tank	Fabrication, Erection	
	7. Fabrication of Steel Structure	Fabrication, Erection	
	8. Steam Turbine Power Plant 2 x 20 MW	E.P.C.I	