



Hengki Muliawan Silalahi

Resident

Komp. Puri Sentosa Blok B/7
Kel. Kademangan, Kec. Setu
Kodya Tangerang Selatan 15313

Mobile Phone

0812-9555-3133

Email

hengki_silalahi@yahoo.com
hengki.silalahi2@gmail.com

Profession

Civil & Structural Engineer/Project Engineer/Civil Mechanical Electrical (CME) Engineer/Telecommunication Infrastructure/Construction Management/Engineering Management

Objective

I would like to work for a company that will enhance the skills I already have as well as provide the opportunity for personal and professional growth and advancement opportunities and seeking a challenging career that utilizes my skills in my area of competence and enriches my knowledge, and gives me a chance to be part of a team that contributes towards the growth of the organization, thereby yielding the twin benefits of job satisfaction and convenient professional growth.

Experience

Jan 2020-Present

Smec Denka Indonesia

(Under Prima Energi Consult) - Civil Engineer

Biodiesel Plant 1500 MTD Phase II Smart Tarjun Project

- Review engineering proposal from Contractor
- Review on Construction Drawing and Shop Drawing
- Review construction schedule & method proposed by Contractor
- Review Quantity Surveyor & Quality Control
- Contractors Coordination & Supervision
- Work Progress Verification and Certification including Variation Works
- Evaluation Variation Order/IKDL during construction
- Monitoring contractor planning & scheduling for commencing the work
- Coordinating contractor's activities & responsibilities to complete project
- Acceptance criteria within contract document
- Assisting owner team by solving any raised problem at site
- Monitoring & updating project time schedule
- Monitoring method of construction in accordance with the contract
- Monitoring & ensuring all the work is being performed according to the requirement (contract document)
- Advising the Owner regarding material approval proposed by Contractor
- Checking together with The Owner Team following the Hand over.
- Advising The Owner following the site inspection result in order to ensure that the work is being performed according to the requirements of the contract document
- Maintenance supervision & monitoring buildings condition
- Monitoring civil work & any equipment (if there is any under consultant's design)
- Resolve any problem that may arise on site & preparing list of acceptance criteria



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August 2019-Oct 2019

Huawei Netherland B.V.

(Under Yellowstone Managed Services B.V.) - Site Design Engineer

Review and approve proposals for towers, monopoles, antenna mounting structures, optimize the site design to simplify and reduce the cost of civil work construction prior to submission to customer for approval

Check site specific structural design analysis submitted by subcontractors base on the latest code requirements ensuring stability of the structure, also to avoid the redundant structural design

Collect and estimate the site design to provide the actual civil work construction cost of the typical site for evaluating the and supporting negotiation during the implemental phase with Civil work subcontract

Review and approve the design and material list (BOQ, Bill of the Quantity) of the tower reinforcement and minimize the construction cost of the tower reinforcement

March 2019 - Aug 2019

Srikaton Bhakti Persada – Deputy General Superintendent (Road & Drainage)

Jasa Marga Outer Ring Toll Road (JORR) Ulujami-Pondok Ranji Project
Drainage Construction, Retaining Wall Construction, Road Maintenance, Road Concrete Barrier Work, Installation of Manhole Cover and Drainage Normalization

Sept 2018-March 2019

Infratama Yakti (Construction Management) - Team Leader/Civil Engineer Karawang New Industry City (KNIC) Project SOW :

- Water Treatment Plant (WTP)
- Waste Water Treatment Plant (WWTP)
- Intake Structure & Piping Line Construction

Job description:

Manage and lead construction management team

Manage Engineering Procurement Construction (EPC) contractor

Review Calculation Design Note & DED EPC Contractor

Review Standard of Operation (SOP)/Construction Method EPC Contractor

Review Material Specification, Equipment/Tools, Fabrication & Manufacturing

Supervise and monitoring EPC Contractor works refer SOP, QA/QC and HSE

Monitoring and make sure EPC Construction works progress in control

Prepare daily, weekly and monthly progress report based on EPC Contractor works

Support and assist Owner to check and solve the problem in project

Feb 2018 – Dec 2018

Srikaton Bhakti Persada - Site Engineer (Road & Drainage)

Jasa Marga Toll Road Jakarta-Tangerang Project

Drainage Construction, Retaining Wall Construction, Road Maintenance, Road Concrete Barrier Work, Installation of Manhole Cover and Drainage Normalization



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-
- May 2018-August 2018 **Jagat Baja Prima Utama - Site Steel Engineering Manager**
Construction and Engineering Management
Steel Structural Engineering Management
Prepare and coordinate works method implementation
Prepare support structure design for works implementation
Prepare BoQ of support structure design for works implementation
Coordinate implementation of the selection process of subcontractor and foreman
Monitor and evaluate works against implementation progress accordance schedule
Encourage and monitor implementation program K3 dan 5R in the project area
Evaluate and development performance and capability staffs in the project site
Give work instruction and direction to supervisor in the implementation
Control against works implementation accordance technical side, quality and time
Control works discipline to all project staffs in accordance with duty, obligation and authority
Plan material usage and tools for the project in accordance with volume and time
Carry out make a report work implementation in all the project site area
Carry out work implementation targets in accordance with quality and budget plan
Assist Project Manager to monitor fabrication process related to product and quality
Coordinate human resources (staffs and foreman) arrangement and material availability with supporting tools
- Feb 2017 – Dec 2017 **Eka Laksana Mandiri - Site Engineer (Drainage & Water Treatment)**
DKI Jakarta Sanitary Agency – Jakarta Project
Implementation of Leachate Drainage Development & Maintenance and Environmental Water Reservoir
- Mar 2016 - Mar 2017 **Sigma Daya Ramadhan- Site Manager (Office & Workshop Building)**
Kuala Namu International Airport – Angkasa Pura II (Persero) Project
Mechanical Room Standby Construction in Chiller B (Dec 2016-Mar 2017)
- Krakatau Posco – Cilegon Project
Workshop Construction in PBH-KP Area Making Plant Site (Aug 2016-Sept 2016)
- Krakatau Steel – Cilegon Project
Office Construction in RTS Hot Strip Mill (March 2016-June 2016)



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2013 – 2017

Hutchison 3 Indonesia - Structural Engineering Manager

Review and approve structure design
Review and approve geotechnical design
Review and approve site model and standard design
Review and approve bill of quantity for civil works and ME
Review and approve technical site survey report
Review and approve new and sharing/collocation site design
Carry out design optimization for civil works
Ensure that all contractors comply with H3I requirement
Ensure document required for handover checked and completed
Evaluate and recommend engineering consultant
Conduct site audit of the infrastructure (civil) works
Conduct site survey for Civil & ME requirement
Conduct pre-ATP, ATP and BAST from civil works part
Conduct site investigation and provide mitigation
Conduct factory inspection test (FIT) for tower erection trial
Conduct assessment for tower fabricator
Manage and control construction from quality & safety part
Manage and control all aspect of engineering & construction
Manage civil engineering database (site model and std. design)
Manage tower transfer data to complete engineering document
Manage new technology development (Non-Traditional Tower)
Manage strengthening structure incl. work progress & timelines
Manage all CME progress in order to achieve the project targets
Do approval coloapp of tower capacity for H3I ownership site
Do approval coloapp of Infra Service Dept. Access part
Support national civil works activity on H3I project
Support SITAC and Planning (RF & TR) team
Technical support for operational department (regional) team
Technical support for legal department team
Technical support for procurement department team
Provide technical specification and design for new project

2009 – 2013

Huawei - Senior Site Design Planning Engineer

Review and approve structure design
Review and approve geotechnical design
Review and approve actual CME BoQ from subcontractors
Review and approve actual BoQ for new and upgrade PLN
Review and approve structural design analysis (SDA)
Assist all progress CME works in order to achieve the targets
Doing site survey to check availability area from CME part
Manage engineering consultant for new all pack site design
Making and monitoring site model design and std. drawing
Provide BoQ of CME work refer to APD for new and sharing site
Provide technical site survey & acquisition report for BoQ plan
Ensure that all subcontractors comply with Huawei requirement
Evaluate and recommend engineering consultant
Conduct site audit of the civil works
Conduct site investigation and provide mitigation



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(Continue Huawei - Senior Site Design Planning Engineer)

Conduct factory inspection test (FIT) for tower erection trial
Carry out design optimization for civil works
Provide technical specification and design for new project
Support SITAC and Planning (RF & TR) team
Support regional Site Design Planning
Support HQ/regional Project team
Support Quality Control (QC) team
Support national/regional CME Engineer/Manager
Support CEG (Commodity Expert Group) department team

Jan 2009-April 2009

Ericsson - CME Design Engineer

Design steel and concrete structures for Telco application
Review & approve actual BoQ of CME work from subcontractors
Review & approve actual BoQ for new and upgrade PLN
Review & approve structural design analysis (SDA)
Review & approve actual CME cost from subcontractors
Doing site survey to check availability area from CME part
Manage engineering consultant for new all pack site design
Manage all progress CME works in order to achieve the targets
Making and monitoring site model design and std. drawing
Provide CME BoQ Plan and Early Start Budget to Customer
Provide BoQ of CME work refer to APD for new and sharing site
Provide MoM for CME BoQ plan (New Site and CR) to customer
Provide technical specification and design for new project
Verify site engineering & site investigation survey for BoQ plan
Verify BoQ of CME Work for BAPP, ATP, BAUT and BAST doc.
Ensure that all subcontractors comply with EID requirement
Evaluate and recommend engineering consultant
Conduct factory inspection test (FIT) for tower erection trial
Support HQ/regional Project team
Support national/regional CME Engineer/Manager
Support strategic buyer department team

2007 – 2009

Nokia Siemens Networks - Design & Project Engineer

Design steel and concrete structures for Telco application
Design antenna mounting bracket and tower appurtenances
Analyze tower capacity due to proposed antennas
Review & approve actual BoQ of CME work from subcontractors
Review & approve structural design analysis (SDA)
Review & approve BoQ plan for strengthening tower
Propose BoQ plan for strengthening tower to customer
Doing site survey to check availability area from CME part
Manage engineering consultant for new all pack site design
Manage all progress CME works in order to achieve the targets
Provide BoQ of CME work refer to APD for new and sharing site
Provide technical specification and design for new project
Provide site inspection for quality control report for internal
Prepare tower matrix for tower capacity & weight database
Ensure that all subcontractors comply with NSN requirement



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*(Continue **Nokia Siemens Networks - Design & Project Engineer**)*

Evaluate and recommend engineering consultant
Conduct factory inspection test (FIT) for tower erection trial
Conduct technical site and as built survey for engineering design
Conduct site inspection for quality control
Support SITAC and Planning (RF & TR) team
Support HQ/regional Project team
Support Quality Control (QC) team
Support national/regional CME Engineer/Manager
Support procurement and material team

2004 – 2007

Siemens - Civil Engineer

Design steel and concrete structures for Telco application
Design antenna mounting bracket and tower appurtenances
Conduct tower geometric survey due to tower analysis
Analyze tower capacity due to proposed antennas
Review & approve actual BoQ of CME work from subcontractors
Review & approve structural design analysis (SDA)
Review & approve BoQ plan for strengthening tower
Doing site survey to check availability area from CME part
Manage engineering consultant for new all pack site design
Provide BoQ of CME work refer to APD for new and sharing site
Provide technical specification and design for new project
Provide site inspection for quality control report for internal
Ensure that all subcontractors comply with Siemens requirement
Evaluate and recommend engineering consultant
Conduct factory inspection test (FIT) for tower erection trial
Conduct technical site and as built survey for engineering design
Conduct site inspection for quality control
Support SITAC and Planning (RF & TR) Team
Support Quality Control (QC) team
Support national/regional CME Engineer/Manager
Support procurement and material team

2001 – 2003

Freelance

Design and provide BoQ of residential and shop building
Supervise of residential and shop building construction
Design and drawing urban highway development

1993 – 1994

Indah Karya Cab. Medan – Draftsman

Design rural and urban highway for Sumatera Project
Drawing rural and urban highway for Sumatera Project



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Education: Institut Teknologi Medan – ITM
Bachelor in Civil Engineering

Skills:

Microsoft Office	Flac Slope
SAP2000	Geo5
ETABS	Catia
SAFE	Solid Works
STAAD Pro	Ant Wind
AutoCAD	PCA Column
SketchUp	PCA Mat
MsTower	GS Afes
RisaTower	Hilti Profis Anchor

Provision Codes

- ✓ Standard Nasional Indonesia (SNI 03-2847-2002)
- ✓ Standard Nasional Indonesia (SNI 03-1729-2002)
- ✓ Standard Nasional Indonesia (SNI 03-1726-2002)
- ✓ American Concrete Institute (ACI)
- ✓ American Institute of Steel Construction (AISC)
- ✓ American Society of Civil Engineers (ASCE)
- ✓ International Building Code (IBC)
- ✓ ANSI/TIA/EIA-222-F & ANSI/TIA/EIA-222-G
- ✓ Japan Industrial Standards (JIS)

Professional Member

- ✓ Institution of Engineers Indonesian
Persatuan Insinyur Indonesia (PII)
Register Member ID. 0905.15.023607
- ✓ Indonesian Society of Civil and Structural Engineers
Himpunan Ahli Konstruksi Indonesia (HAKI)
Register Member ID. 2009144
- ✓ Indonesian Society For Geotechnical Engineering
Himpunan Ahli Teknik Tanah Indonesia (HATTI)
Register Member ID. 13.1964.JR
- ✓ Indonesian Welding Society (IWS)
Asosiasi Pengelasan Indonesia (API)
Register Member ID. B 1300-021700-664
- ✓ Indonesian Standardization Society
Masyarakat Standardisasi Indonesia (MASTAN)
Register Member ID. 13-3265



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Professional Member

- ✓ American Society of Civil Engineers (ASCE)
Register Member ID. 10271782

- ✓ Japan Society of Civil Engineers (JSCE)
Register Member ID. AM-06-00001

- ✓ Institution of Civil Engineers (ICE)
Register Member ID. 85570878

Professional Certification

- ✓ Sertifikat Insinyur Profesional Madya (IPM)
No. Sertifikasi : 2-15-00-000725-00
Issued by Persatuan Insinyur Indonesia (PII)

- ✓ Sertifikat Keahlian (SKA) Ahli Teknik Bangunan Gedung - Madya
No. Registrasi : 1.2.201.2.029.09.1105603
Issued by LPJK - Persatuan Insinyur Indonesia (PII)

- ✓ Sertifikat Keahlian (SKA) Geoteknik - Muda
No. Registrasi : On Process
Issued by LPJK - Himpunan Ahli Teknik Tanah Indonesia (HATTI)

- ✓ Sertifikat Keahlian (SKA) Ahli Sumber Daya Air - Madya
No. Registrasi : 1.2.211.3.039.09.1105603
Issued by LPJK - Perhimpunan Ahli Teknik Indonesia (PATI)

- ✓ Sertifikat Keahlian (SKA) Ahli Teknik Jalan - Utama
No. Registrasi : 1.2.202.1.040.09.1105603
Issued by LPJK - Persatuan Insinyur Profesional Indonesia (PIPI)

- ✓ Professional Engineering & Member of American Society of Civil Engineers (ASCE)
with title : P.E., M.ASCE

- ✓ Associate Membership of Institution of Civil Engineers (ICE) with title : AMICE