



From Indonesia

YOSEF JATIWASESO

SENIOR NPO ENGINEER

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ABOUT ME



Highly experienced Radio Network Planning & Optimization Engineer with expertise in multi-vendor equipment including Siemens, Nokia, Ericsson, and Huawei. Proven track record in conducting successful Radio Network Audits, Design/Planning, and Optimization Projects. Possess in-depth knowledge of Radio parameter planning and optimization, GSM, WCDMA & LTE message flows and protocols, as well as Radio Network Dimensioning. Proficient in using radio planning tools such as Atoll and Netact planner. Strong analytical skills, quick learner, enthusiastic, and a valuable team player with a strong sense of responsibility. Specializing in RF planning and optimization in 2G, 3G, and LTE networks. Excited to join your team and contribute to its continued success.

WORK EXPERIENCE



JUN 2023

PRESENT

NPM ENGINEER (SEMARANG - INDONESIA)

HUAWEI

- Spearheaded optimization for 578 sites and 3 MCs within the Huawei Managed Service - IOH Project in Semarang Inner.
- Resolved customer complaints efficiently, ensuring high-quality event support and customer satisfaction.
- Collaborated closely with sales IOH teams to identify and capitalize on add-on sales and new business opportunities.

MAR 2023

JUN 2023

NPO ENGINEER (ANGOLA - REMOTE)

Nokia

- Spearheaded multi-technology (2G/3G/4G) network enhancement initiatives for Nokia Angola - Africell, optimizing performance and reliability.
- Conducted comprehensive capacity analysis, recommending strategic upgrades to bolster network optimization.
- Orchestrated seamless 2G Rehoming Activities to a new BSC, ensuring uninterrupted service and support during Site Shake-Down (SSV) for new installations.
- Analyzed drive test data to derive actionable insights, achieving KPI targets and enhancing network coverage, capacity, and throughput.
- Led the adoption of innovative network features such as STIRC, Dynamic Handover Blacklisting, and advanced modulation schemes, driving network efficiency and performance.

JAN 2023

MAR 2023

NPO ENGINEER (JAKARTA -INDONESIA)

Nokia

- Spearheaded XL Project initiatives, focusing on New Product Introduction (NPI) and technology swapping to enhance network performance.

LANGUAGES



English



Indonesian



LINKS



Linkedin

<https://www.linkedin.com/in/yosefitw/>

PERSONAL DETAILS



Date of birth

04 Apr 1983

Nationality

Indonesia

- Expertly addressed VIP and customer complaints, ensuring high satisfaction levels and swift resolution of inquiries.
- Managed Customer Experience Management (CEM) across multiple platforms including Facebook, Open Signal, SWE, and TNPS.
- Demonstrated exceptional problem-solving skills in promptly resolving customer issues, maintaining service quality and reliability.

JUN 2020

DEC 2022

LEAD SPOC (SEMARANG - INDONESIA)

Ericsson

- Spearheaded VIP customer relations, adeptly managing complaints and delivering solutions accompanied by comprehensive reports.
- Expertly managed crowds and events, ensuring optimal experiences.
- Enhanced team performance through meticulous tuning and optimization, ensuring 2G, 3G, and LTE network parameters were consistently aligned.
- Implemented strategic tuning and optimization techniques to boost network throughput, accessibility, retainability, and mobility.
- Provided pivotal technical support during customer engagements, including discussions, presentations, and workshops in collaboration with the regional IOH team.
- Proactively collaborated with sales teams to identify and capitalize on add-on sales and new business opportunities, significantly contributing to sales growth.
- Fostered strong relationships with Managed Services teams to synchronize activities and cultivate synergies, achieving unified objectives.

MAY 2018

MAY 2020

NPO ENGINEER (ANGOLA)

Nokia

- Spearheaded the Nokia Togocell Project, executing a strategic swap from ALU to NOKIA SRAT systems.
- Led the SRAN to SRAT conversion initiative, enhancing network performance and efficiency.
- Orchestrated 4G network planning, optimizing PCI, RSI, and coverage through advanced Atoll & Optimizer tools for superior RSRP, SINR, and throughput.
- Conducted daily 2G/3G/4G network optimization, maintained KPI dashboards, and drove improvements through meticulous worst cell analysis.
- Implemented weekly capacity monitoring, proposing actionable enhancements via load balancing, parameter

adjustments, and strategic site development.

- Compiled and presented weekly reports on network improvements, outlining forward-looking enhancement strategies.
- Addressed customer complaints with prompt resolution and detailed reporting, ensuring high levels of customer satisfaction.
- Performed thorough Drive Test (DT) Analysis to assess cell coverage, identify RF blockages, and troubleshoot quality issues, including Layer 3 analysis for call drops.

APR 2016

APR 2018

RF OPTIMIZATION /LEAD (JAKARTA - INDONESIA)

Ericsson

- Achieved an outstanding 97.55% score in successfully closing the New Product Introduction (NPI) project.
- Directed network performance activities and oversaw NPI achievements across 2G/3G/4G (LTE-FDD) networks in North Sumatra, encompassing 11 RNC/1205 NodeB, 48 BSC/1816 BTS, and 300 eNodeB.
- Spearheaded a network performance improvement team, comprising 2G, 3G, and 4G RF optimization engineers, an RF engineer, drive test engineers, and a rigger.
- Monitored and analyzed 2G, 3G, and 4G Key Performance Indicators (KPIs) to identify and rectify any performance degradation.
- Coordinated daily project updates, maintaining a consistent flow of information and progress tracking.
- Devised strategies for network capacity upgrades and parameter/configuration modifications to alleviate congestion issues.
- Developed proposals for LAC/RAC/RAU splitting to optimize paging intensity and improve network efficiency.
- Fine-tuned LTE mobility, ensuring seamless handovers to UMTS & GSM, and implemented SRVCC and CSFB for load balancing.
- Led the introduction of new features in LTE FDD and WCDMA, enhancing network capabilities.
- Provided technical leadership and proactive Radio Quality support, including test scheduling, performance reporting, and customer complaint resolution.

OCT 2015

APR 2016

TECHNICAL MANAGER (JAKARTA -INDONESIA)

Nokia

- Spearheaded network performance optimization and New Product Introduction (NPI) across Java and Kalimantan,

overseeing 27 RNCs, 3555 BTS, 48 BSCs, 2537 NodeBs, and 859 eNodeBs.

- Led a team of Level 4, 3, and 2 engineers, ensuring seamless operations and maintenance of 2G/3G/4G networks.
- Communicated critical issues and project updates to stakeholders, ensuring transparency and prompt resolution of concerns.
- Prepared and presented technical deliverables for executive review and approval, upholding high standards of accuracy and completeness.
- Guaranteed technical excellence of project outputs, aligning with organizational objectives and quality benchmarks.
- Mentored and guided technical leaders and Level 4 engineers, fostering professional growth and enhancing team competency.
- Played a pivotal role in talent acquisition, conducting thorough interviews to identify and onboard top engineering talent.
- Actively contributed to fostering a collaborative and positive workplace culture.

JUL 2014

OCT 2015

NPO ENGINEER (MAKASSAR - INDONESIA)

Nokia

- Spearheaded optimization and cluster acceptance for 2G & 3G Nokia networks, managing 20 clusters, 30 BSCs, and 4 RNCs for Telkomsel in Sulawesi.
- Led the 2G & 3G PLO Swap and Cluster Acceptance Team, focusing on both preventive and corrective maintenance post-swap, and network performance enhancements post-acceptance.
- Expertly managed VIP and customer complaint resolution during network swap activities.
- Conducted LTE trials to explore next-generation network capabilities.
- Accountable for meticulous delivery reporting and promptly addressing customer requests.

SEP 2013

JUN 2014

NPO ENGINEER (BALI -INDONESIA)

Nokia

- Spearheaded the FMR Nokia Network Performance Improvement Project for Telkomsel, Indonesia's leading operator, focusing on Bali and Nusa Tenggara regions since September 2013.
- Managed the optimization of 21 clusters and 15 BSCs across 2G Nokia networks, enhancing system reliability and

performance.

- Directed a team of 15 Pre-Launch Optimization engineers and 8 Network Performance Improvement engineers, overseeing both preventive and corrective maintenance post-Swap activities.
- Addressed VIP and customer complaints effectively during critical Swap operations.
- Improved key 2G cell level KPIs, including RACH Success Rate, SDCCH Drop Rate, and Handover Success Rates, through strategic database tuning and physical network adjustments.
- Delivered regular reports on plans and progress to stakeholders, ensuring transparency and accountability.
- Entrusted with the post-Swap maintenance and optimization of 2G/3G network performance, guaranteeing seamless service continuity.
- Conducted consistent network parameter checks to maintain system integrity and performance.
- Monitored alarms and tracked hardware issues to preemptively address potential disruptions.
- Initiated frequency tuning to mitigate internal network interference, optimizing signal quality.
- Performed comprehensive neighbor audits to ensure optimal intra and intersystem relations.
- Analyzed drive test data, providing actionable recommendations to meet and exceed KPI thresholds for coverage, capacity, and throughput.

FEB 2013

AUG 2013

NPO ENGINEER (BALIKPAPAN INDONESIA)

Nokia

- Spearheaded optimization initiatives for Telkomsel, Indonesia's leading operator, across 3063 2G cells (Nokia/Ericsson) and 2315 3G cells (Nokia) in Kalimantan.
- Accountable for the timely delivery of detailed reports and addressing customer requests with precision.

OCT 2010

FEB 2013

RF OPTIMIZATION/ LEAD (SEMARANG - INDONESIA)

Huawei

- Spearheaded RF optimization for HCPT in Central Java, achieving KPI enhancements including CSSR increase to 99.50%, DCR reduction to 0.60%, TCH block rate decrease to 0.05%, HOSR improvement to 97.67%, and PDASR boost to 98%.
- Ensured optimal network performance and Quality of Service through vigilant monitoring and targeted improvements.

- Executed daily network health assessments, proactively addressing KPI deviations such as DCR, CSSR, and HO failures.
- Fine-tuned BSS parameters post-OMCR exports to meet specific network requirements.
- Integrated advanced features like Power Control, AMR, and EDGE into the existing network infrastructure.
- Conducted daily surveillance of system alarms at BTS/BSC levels to maintain network integrity.
- Managed the swap of 1200 sites from NSN to Huawei equipment, overseeing interface and monitoring processes.
- Delivered comprehensive reports and responded efficiently to customer requests.
- Directed optimization for 10 NSN BSCs, 11 Huawei BSCs, and 2200 BTS across Central Java.
- Led the Network Performance Improvement Project (Gladiator Project) in Jogja and Semarang.
- Managed a team of 7 2G RF Optimization Engineers, 3 2G RF Engineers, 2 OSS Engineers, 1 2G RF Frequency Planner, and 5 Drive Test Engineers.
- Accountable for the successful delivery of Network Performance Improvement activities, including Task Force and Gladiator Program initiatives.

JAN 2010
SEP 2010

RF OPTIMIZATION/ LEAD (SEMARANG - INDONESIA)

Nokia

- Spearheaded RF optimization for HCPT in Central Java, Indonesia, achieving significant KPI improvements: CSSR to 99%, Drop Call Rate to 1.18%, TCH block rate to 0.22%, HOSR to 97.67%, and PDASR to 97%.
- Ensured optimal network performance and Quality of Service through continuous monitoring and enhancements.
- Executed site splitting and optimized antenna configurations based on comprehensive reports and drive tests.
- Implemented and fine-tuned AMR FR/HR for superior network functionality.
- Conducted daily network health assessments, proactively addressing KPI deviations to maintain industry benchmarks.
- Refined BSS parameters by exporting from OMCR and adjusting for peak network efficiency.
- Generated detailed reports on network quality using drive test data and statistical analysis.
- Diligently monitored and mitigated interference, ensuring clean signal transmission.

- Strategically enhanced network coverage by identifying and rectifying coverage gaps and expanding service areas.
- Analyzed neighbor lists, drop calls, and traffic for network optimization insights.
- Performed network-wide performance analysis of Dual band Cells, focusing on traffic distribution and quality.
- Optimized antenna orientation and tilt for improved GSM coverage and C/I ratios.
- Troubleshoot hardware and software issues impacting network performance.
- Addressed congestion and blocking by adding carriers, new sites, or deploying features like Half Rate and Directed Retry.
- Seamlessly integrated new features such as Power Control, AMR, and EDGE into the existing network.

JAN 2009

DEC 2009

RF OPTIMIZATION/ TEAM LEADER (PALEMBANG - INDONESIA)

Siemens

- Spearheaded RF optimization for HCPT in South Sumatra, achieving significant KPI improvements: CSSR enhanced to 98.52%, TCH drop rate reduced to 0.34%, TCH block rate lowered to 0.9%, and HOSR increased to 96.67%.
- Developed daily top-10 worst cell reports and conducted comprehensive KPI analysis for five BSCs.
- Established standardized KPI targets and executed network optimization tasks to mitigate HO failures, alleviate congestion, and eliminate interference.
- Conducted frequency retuning for baseband hopping and BCCH to optimize network performance.
- Led frequency and BSIC planning for both new site deployments and existing network post-swap enhancements.
- Formulated proposals for new site integrations within the current network infrastructure.
- Refined paging strategies and optimized Location Area (LA) borders, overseeing BSS swapping procedures.
- Revamped antenna system configurations and generated coverage predictions using various antenna systems.
- Troubleshoot network issues by adjusting BSC parameters and collaborated with Drive Test teams for post-swap cluster optimization.
- Analyzed Drive Test data to pinpoint and address areas with suboptimal RF conditions and poor KPIs.
- Identified and resolved co-channel interference, BCCH and SDCCH blocking, TCH blocking, and issues affecting RLC, LLC, and throughput.

- Enhanced GPRS/EGPRS performance through targeted optimization strategies.
- Prepared detailed cluster reports pre- and post-swap utilizing Actix software.
- Coordinated with the Babysitting team to address hardware issues such as feeder and TRU feeder crosses.
- Partnered with the Drive Test team to fine-tune single site optimization, improving C/I, Rx level, Rx quality, and HO success rates post-swap.

OCT 2008

JAN 2009

NPO ENGINEER (MEDAN - INDONESIA)

Siemens

- Spearheaded HCPT-NSN Project in North Sumatra, securing 300 quality certificates for new site acceptances.
- Executed pre-launch testing and site verification for 2G networks utilizing TEMS Investigation 9.0.
- Enhanced Key Performance Indicators (KPIs) through meticulous database and hardware optimization.
- Analyzed TEMS measurements and OMC statistics to resolve radio network quality issues.
- Conducted indoor walk tests employing TEMS Pocket and NEMO Handy for precise network assessment.
- Performed EDGE/GPRS performance analysis to ensure superior network functionality.
- Orchestrated specialized tests on BSC and MSC, collaborating with the optimization team on various initiatives.
- Led drive test operations for troubleshooting, addressing VIP complaints, and post-rehoming activities, including MOS testing.
- Responded to VIP complaints with tailored testing and provided expert recommendations for resolution.
- Analyzed drive test logs using TEMS Investigation and Actix to generate comprehensive reports.
- Identified and resolved network anomalies such as call drops and call setup failures by analyzing TEMS/NEMO logs.

MAR 2006

AUG 2008

OPTIMIZATION ENGINEER (MAKASSAR - INDONESIA)

Siemens

- Spearheaded 2G BSS optimization for HCPT-NSN Project in Jakarta (Sep 2007 - Aug 2008), enhancing network performance and reliability.
- Pioneered 3G BSS optimization for HCPT-NSN Project, Jakarta, driving advanced network capabilities (Mar 2007 - Sep 2007).

- Optimized KPIs for TELKOMSEL GSM, including SDSR, HOSR, DCR, and TCH Blocking Rate, overseeing East Indonesia's Sulawesi, Maluku, and Papua regions (Jul 2006 – Mar 2007).
- Achieved KPI targets for TELKOMSEL in North Sulawesi, ensuring seamless integration of new and expanded sites (Mar 2006 – May 2006).

EDUCATION



2005

BACHELOR OF ENGINEERING IN ELECTRICAL ENGINEERING

Gadjah Mada University (UGM)

SKILLS



Drive Testing	Network Performance
Performance Improvement	Dashboard
Performance Analysis	Integration
Technical Support	Radio Frequency