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MAJOR ROLLOUT PROGRAMS

Ooredoo Rollout (Myanmar)
Directed full-cycle delivery of 3,200-site microwave and RBS rollout across diverse terrains and regulatory environments. Achieved an average deployment rate of 100+ sites/month over 2.5 years. Orchestrated multi-vendor coordination and cross-department task forces (RF, Transport, QA) ensuring regional compliance, SLA adherence, and seamless site handovers.

Huawei–Hutchinson Project (Indonesia)
Delivered 1,100 new RBS sites in 14 months, from greenfield design to on-air status. Managed regional operations, site acquisition dependencies, and cluster scheduling using centralized milestone tracking. Ensured all PAT/FAT milestones met with <2% slippage across implementation zones

Telkomsel Rollout (Indonesia)
Directed nationwide rollout for 2,200 sites, implementing design-to-integration workflow with Ericsson. Balanced CAPEX targets with speed-to-market goals by redesigning critical paths and optimizing resource shifts across regional teams. Resulted in on-time launch of all priority clusters.

Motorola-to-Nokia Swap (West Java)
Executed legacy swap program involving 3 major vendors (Alcatel, NSN, Nokia). Managed operational switchover of 200+ active sites while ensuring zero traffic downtime. Aligned back-end IP planning, RBS upgrades, and site commissioning under strict nightly migration windows.

Centratama Tower Deployment (Sumatera)
Oversaw strategic lifecycle planning for 9,800+ towers across Sumatera, encompassing tenant onboarding, collocation, relocation, and dismantle programs. Achieved 8.9% conversion rate from 10% sales target within 12 months. Developed prioritization models and feasibility maps that improved response times and reduced commercial conflict by 30%.

Metcoindo Test Execution Program (National)
Managed 300+ test site executions across field, lab, and remote cycles with 96.7% on-schedule delivery and only 3.2% cost deviation. Orchestrated 5-domain daily execution including RAN, Core, QA, Vendor, and Field Ops.
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OPTIMIZATION & NETWORK ENHANCEMENT

UMG Group Fiber Optimization (Myanmar)
Redesigned 12-core fiber architecture across all UMG branch networks in metro Yangon. Migrated from static routing to OSPF-based high availability with dynamic failover. Reduced physical fiber use to 2 cores without compromising redundancy or throughput. Enabled scalable routing resilience across all branch links.

Transmission Optimization – Ooredoo (Myanmar)
Led optimization of 220 critical sites, resolving performance issues in latency, jitter, and capacity bottlenecks. Applied parameter tuning, backhaul re-routing, and protocol rebalancing. Achieved measurable SLA recovery and significant reduction in VIP complaints across business districts.

Python + Power BI Automation (Metcoindo)
Built custom Python scripts and SQL-based analytics pipelines to automate weekly SLA reports and real-time KPI dashboards. Reduced manual processing effort by 70%, and improved data transparency and decision velocity across technical and management levels.

ML-Driven Rollout Forecasting Pilot
Deployed pilot ML model for traffic forecasting and congestion risk. Enhanced rollout prioritization for fiber and RAN expansion, leading to a 25% drop in unanticipated site congestion. Introduced predictive heatmaps for strategic investment planning in future phases

STRATEGIC BIDS & REGIONAL PROJECTS

Digicel Myanmar Bid – 4,500 Sites
Spearheaded technical and financial proposal for 4,500-site transmission rollout covering 5-year program in Northern Myanmar. Led feasibility, budgeting, and spectrum planning. Defined IP/DWDM design and delivery cost models used for final stakeholder evaluation

Vietnam – Transmission Visibility Project
Executed 72-site LOS redesign and path validation across Vietnam for Ericsson. Delivered visibility assessments with re-engineered link budgets and optimization proposals under tight turnaround (3 months)..

Zain UN Millennium Village – Tanzania
Engineered and deployed 42-site 3G network to support Millennium Village infrastructure programs in rural East Africa. Integrated PDH/SDH, microwave links, and IP core backhaul while training local operations team on network upkeep post-deployment.

KEY SKILLS

Kompetensi & Tools	Level (%)
Project Lifecycle Management (Planning to Delivery)	90%
Cross-Functional Team Leadership (Sales, Tech, Vendor)	88%
Risk & Cost Control, KPI/SLA Governance	85%
Multi-Region Rollout Execution (up to 9,800+ sites)	92%
Stakeholder Management & C-Level Reporting	90%
Technical Expertise: RAN, IP/MPLS, Microwave, Fiber	87%
Network Design, Audit, Optimization (Layer 1–4)	85%
Python, SQL, Power BI for Reporting & Automation	80%
Cloud Integration: AWS, Infrastructure Monitoring	78%
Expanding leadership into AI, MLOps, and Cloud-Driven Delivery	75%

Achievements Summary

Achieved 22% CAPEX savings during BCG-led transport reengineering project by redesigning IP/MPLS and metro backbone and introducing executive dashboard tracking.
Reduced weekly reporting cycle by 40% through Python and SQL automation, improving visibility across cross-functional teams.
Successfully led 5+ nationwide fiber and microwave rollout programs across Indonesia, Myanmar, and Africa, covering 4,000+ sites with full SLA enforcement.
Supported strategic planning and solution proposals for 9,800+ tower assets, resulting in 8.9% tenant conversion from a 10% annual target.
Developed AI-based traffic forecasting to guide rollout prioritization, reducing congestion incidents by 25% in target zones.

EXPERIENCE (2015–Present)

Technical Data & Testing Strategic Director
Metcoindo Penta Perkasa | Feb 2024 – present
Led full-cycle deployment of 25+ ZTE data centers nationwide, managing civil, power, and IT readiness across 5 technical domains (MEP, NOC, transport, QA, vendors). Achieved **98.5% site readiness** with **<3% cost deviation**, while balancing timeline control, resource planning, and execution ownership. Developed **Python/SQL automation** and **AWS dashboards** that cut manual SLA validation by **75%** and enabled real-time RFS insights. Drove strategic initiatives—early PO release, phased commissioning, and fiber alignment—accelerating go-live approvals by **60%**. Reduced escalation turnaround from **72h to 16h**, and kept delivery within **<5% risk tolerance** by embedding predictive monitoring and milestone governance. Bridged traditional infra rollout with cloud-native visibility for faster, smarter decisions.

Technical Program & Solution Lead (Pre-Sales Focus)
Centratama Menara Indonesia – Jan 2023–Jan 2024
Directed end-to-end project planning, monitoring, and execution for 9,800+ tower assets across Sumatera, including tenant rollout, relocation, and dismantle initiatives. Oversaw cross-functional coordination between engineering, sales, and regional teams—ensuring alignment from site screening to program closure. Achieved 8.9% tenant conversion from a 10% target, improved CAPEX efficiency by 12%, and cut average go-live time by 18%. Introduced feasibility scoring tools and execution dashboards, enabling schedule control and faster risk mitigation. Led technical workstreams and supported regional rollout teams to maintain delivery momentum and stakeholder confidence across complex program layers.

Technical Project & Test Operations Manager
Metcoindo Penta Perkasa – Jan 2021–Dec 2022
Managed cross-functional project execution for nationwide fiber rollout and network validation, overseeing a team of 30+ engineers across planning, testing, and reporting. Designed and deployed automated KPI dashboards using Python, Pandas, and Power BI, reducing weekly reporting time by 40% and accelerating decision-making cycles. Piloted machine learning-based traffic forecasting, which optimized rollout prioritization and led to a 25% drop in congestion incidents across target zones. Functioned as both project manager and technical orchestrator, aligning timelines, stakeholder communication, and on-site execution—ensuring delivery precision across diverse regional clusters. Improved project visibility and risk control, transforming traditional test operations into a data-driven, execution-focused project unit...

Project & Program Manager – Transport Optimization
Boston Consulting Group | Feb 2019 – Jan 2020
Led a nationwide transport optimization program for Indosat Ooredoo, spanning IP/MPLS, DWDM, and metro backbone redesign. Oversaw the entire project lifecycle—from initial scoping, capacity audit, and risk planning to execution, stakeholder alignment, and project closure. Coordinated cross-department teams in engineering, finance, procurement, and strategy, aligning technical insights with investment decisions. Through strategic reengineering of the transport topology and traffic rerouting, achieved 22% CAPEX savings and improved utilization across key links. Built real-time executive dashboards and presented milestone and financial updates directly to C-level and steering committee, ensuring timely decisions and budget realignment. The project closed on time, under budget, and delivered lasting operational impact.

Project Manager – National KPI Recovery Program
TelkomInfra | Feb 2018 – Dec 2018
Directed the nationwide KPI and SLA recovery initiative across 800+ telecom sites throughout Indonesia, covering performance gaps across Layer 1 to Layer 4. Managed a 50+ person cross-functional engineering and field operations team, ensuring optimal resource distribution and cross-departmental coordination. Developed detailed work breakdown structures (WBS), project schedules, and manpower plans using MS Project, aligning all regional execution under a unified national framework. Built custom dashboards and monitoring tools to improve SLA tracking, which reduced reporting delays by 50% and enhanced decision-making cadence. Controlled operational budget within a <5% deviation range, balancing urgency of recovery efforts with cost efficiency. Led weekly progress reviews and escalation briefings to C-level stakeholders, including national directors, while implementing risk mitigation strategies that cut repeat SLA violations by 35%. Successfully closed the program with 100% site audit compliance and a measurable uplift in service reliability across the national network footprint

FTTx Project & Solutions Manager – Regional Rollout (Thailand–Indonesia)
Smart Flow | Sep 2016 – Sep 2017
ed the deployment of 1,200+ fiber rollout sites in Indonesia under SmartFlow's regional expansion program, integrating their Thailand-based FTTx software platform for real-time provisioning, audit automation, and milestone tracking. Achieved 100% first-pass QA success and kept rework below 2% through structured planning, digital playbook adoption, and rigorous validation checkpoints. Acted as the regional delivery lead—bridging Jakarta and Bangkok teams to localize the product offering, align sales/engineering workflows, and ensure client satisfaction in a competitive telco environment. Drove solution-based selling by bundling SmartFlow's software suite into the rollout service, contributing to improved adoption rates and stronger account retention. Provided strategic rollout dashboards and delivery insights to stakeholders across both field and executive levels, while maintaining scope, budget, and timeline control.

RAN & Transport Rollout Delivery Managern (Myanmar)
OneCloud Myanmar | Jan 2016 – Aug 2016
Led the rollout of 50+ greenfield RAN and transmission sites across high-growth urban and semi-rural clusters, during a critical acceleration phase of network expansion in Myanmar. Managed end-to-end project lifecycle—from initial site acquisition handover, design validation, and transmission path

survey, to installation, commissioning, and on-air integration. Oversaw all technical aspects of the deployment including site readiness validation, RAN hardware configuration, microwave path engineering, and IP provisioning. Worked hands-on with Huawei and Ericsson transmission toolkits to ensure robust link design, adhering to SLA thresholds for availability, latency, and jitter. Coordinated multi-vendor teams (RAN, TX, civil, and field engineers) to align daily execution with rollout milestones. Maintained 100% on-schedule rollout for three consecutive months by implementing real-time issue resolution trackers and daily progress dashboards.

Developed escalation and recovery playbooks that enabled 90% of on-site issues to be resolved within 48 hours, significantly minimizing potential delays and cost overruns. Integrated cross-functional communication between central NOC, field ops, and procurement to streamline material logistics and approval cycles.

Controlled deployment CAPEX by enforcing BOM consistency, reusing idle transmission paths where applicable, and validating each site's hardware demand against actual usage forecasts—resulting in cost savings of approximately 11% across the total site batch.

Reported progress and blockers through structured dashboards to program management and finance controllers, enabling timely budget approvals and field support mobilization. Ensured full compliance with site audit protocols, with zero major rework required during final acceptance.

Transmission Planning Optimization & Cluster Rollout Lead (Myanmar)
Ooredoo Myanmar | Sep 2012 – Dec 2015

Led the technical planning, rollout, and optimization of over 3,200 RAN and transmission sites across Myanmar, serving as a central figure in one of the country's largest national network deployment initiatives. Operated in a hybrid leadership role—merging project delivery oversight with deep hands-on involvement in IP/MPLS, microwave design, and Layer 1–3 optimization.

Championed a cluster-based rollout strategy to accelerate deployment across multiple provinces. By grouping sites into geographically and topologically aligned clusters, the program achieved a 30% reduction in transmission-related failures, improved backhaul redundancy, and enhanced link reliability in previously underserved zones.

Oversaw complete project lifecycle for transmission builds—starting from feasibility and LOS survey, path budget and interference planning, frequency coordination, vendor tender evaluation, material readiness, field execution, and final integration into NOC.

Led and aligned over 50 cross-functional staff and contractors, including radio planners, transmission engineers, civil teams, and third-party vendors. Managed daily progress dashboards, WBS tracking, and cost burn-down reports to ensure transparency and proactive recovery on execution gaps.

Drove multiple optimization cycles post-rollout: upgraded high-traffic clusters to higher modulation schemes, performed re-tuning and latency optimization, and redesigned underperforming E1-based links into hybrid IP paths—reducing bottlenecks and increasing network efficiency.

Collaborated directly with regional and central PMO, finance, and vendor management teams to ensure compliance with CAPEX constraints, streamline equipment orders, and resolve logistics or customs issues. Contributed to an estimated 12% cost savings by proactively avoiding rework and reusing idle or underutilized microwave paths during new site planning.

Delivered weekly progress and risk updates to regional delivery heads and national steering committees. Prepared comprehensive handover documentation, including updated logical maps, performance baselines, and audit reports for SLA closure.

Foundation & Technical Growth (2001–2012)

Deployed telecom infrastructure across **Indonesia, Myanmar, Malaysia, Vietnam, and Tanzania**, gaining deep hands-on experience in **RF planning, PDH/SDH, and IP/MPLS transport**. Contributed to **4,000+ site rollouts** with >99.99% uptime, working closely with global vendors (Ericsson, Huawei, NSN, ZTE).

Pioneered **cluster-based rollout** improving deployment efficiency by 25%, and gradually stepped into **regional coordination roles**, leading field teams, tracking project costs, and aligning execution with rollout KPIs—marking the start of my transition into project management.

Certifications & Tools Proficiency

Project Management Professional (PMP®) – PMI (Eligible since 2018)
AWS Certified Cloud Practitioner – Amazon Web Services (Issued: May 2025)
Fundamentals of Data Analysis & Python Automation – DQLab / Dicoding (2024)
Unsupervised Machine Learning & Anomaly Detection – QG Academy (2025)
AI Project Strategy & Prompt Engineering – Internal Learning (Ongoing)
Technical Tools: Python, SQL, BigQuery, Pandas, Power BI, Microsoft Excel
Cloud & Infra: AWS, 5G NR (planning & validation), Linux CLI, Docker (basic)
Project Monitoring: Excel Gantt, KPI Dashboarding, Manual/Automated SLA Reports

Project Portfolio

📐 **Telecom Project Dashboard** showcasing 1,500+ rollout sites across Sumatera—covering new builds, upgrades, relocations, and dismantles.
☑ Built with HTML/CSS, enhanced with timeline filters and issue tracking.
🔴 Designed for executive visibility, real-time KPI insight, and milestone control.
🔗 milzon1010.github.io/rollout_dashboard

Dashboard Live app for Reporting

📊 **Live Project Monitoring App – Harmony PM**
Built with **Streamlit**, this interactive dashboard tracks project updates, site status, and team progress in real-time.
🎯 Designed for project directors, PMs, and field teams to align on execution.
🔗 Live App 👉 harmony-pm-milzon.streamlit.app