

CONSULTING PROFILE

Yasser Elhamy

Founder · Senior RAN, automation and SMO/RIC consultant

RAN engineering and AI-powered automation, judged by *your KPIs*.

Senior RAN and automation consultant with over 10 years across Ericsson, Huawei and Nokia networks, working on SON and network automation since 2015, from the first SON applications to governed cloud platforms on Microsoft Azure. Generative AI now makes automation apps quick to build; I focus on what makes them reliable on a live network: trusted data, guardrails, verification, rollback and operational ownership. PMP-certified, with MSc degrees from UCLouvain and UPC Barcelona.

10+

years in radio access networks

2015

working on SON and automation since

5,000

sites in one refarming programme managed

3

RAN vendors: Ericsson, Huawei, Nokia

01 Services

TRACK A · AUTOMATION AND AI

01 Automation and SON advisory

Centralised and distributed SON (C-SON and D-SON) across the full life cycle: design, verification, deployment on live networks and continuous operations. Maturity assessments, use-case roadmaps and closed-loop governance.

02 SMO/RIC and rApps

Evaluate SMO and RIC platforms with someone who has sat on the buying side: requirements, vendor comparison and fit with your existing SON and OSS. Then design rApps for the Non-RT RIC, starting from use cases already proven as SON: data and API integration through the SMO, verification, and safe rollout alongside vendor SON and other rApps.

03 AI for network engineers

Hands-on guidance that turns everyday engineering tasks (KPI analysis, troubleshooting, parameter audits, reporting) into working AI workflows. I also help your engineers build automation apps with AI coding tools, then harden them for the live network: testing, guardrails, monitoring and a clear owner.

TRACK B · NETWORK ENGINEERING

04 RAN optimisation and planning

KPI analysis, parameter planning, capacity and congestion relief, and energy-saving strategies on Ericsson, Huawei and Nokia networks.

05 Network transformation

Refarming, 2G and 3G switch-offs, vendor swaps, network sharing and 5G SA migration, planned and managed end to end.

06 Vendor selection and due diligence

RFPs, solution comparison, supplier governance, and technical due diligence of network assets and managed-services deals.

02 How I work: small steps, measured on your KPIs

Step 1

First contact

A call about your challenge, or a role brief.

Step 2

Fit and scope

A fixed-scope assessment for projects; profile and interview for placements.

Step 3

Prove, then scale

Start small, measure on your KPIs, extend as confidence grows.

Step 4

Handover

Documentation, training and a clear owner, so your team runs it without me.

03 Expertise and tools

NETWORKS

GSM, UMTS, LTE and IoT, 5G NR (TDD, DSS), multi-operator and shared RAN

VENDORS AND PLATFORMS

Ericsson (ENM), Nokia (NetAct), Huawei, Cisco SON, Nokia SON, O-RAN SMO/RIC vendor assessment

AUTOMATION

SON (C-SON, D-SON), closed-loop readiness, engineer approval and rollback models, KPI validation, API-gateway integration

DATA AND CLOUD

Python, SQL, Power BI, QGIS, Actix, Microsoft Azure, Azure DevOps, microservices on Docker, REST APIs, GenAI-assisted development

DELIVERY

PMP project management, Agile/Scrum, HLD/LLD governance, supplier governance, board- and C-level reporting

04 Selected results

EUROPEAN OPERATORS

RAN automation platform

Product and programme lead moving optimisation from manual work to governed automation across 2G, 4G and 5G: roadmap, Azure migration, closed-loop readiness.

RESULT Automation in daily operation in the networks of two major European operators, with thousands of live network changes and proven KPI results

EUROPEAN OPERATOR

Managed-services vendor selection

Automation and tooling expert in the technical evaluation of competing multi-vendor RAN optimisation managed-services bids.

RESULT Management-ready vendor comparison and contract safeguards keeping committed automation within the service price

EUROPEAN OPERATOR

SMO/RIC vendor selection

Member of the RFP committee assessing SMO and RIC proposals against technical, integration, roadmap and commercial criteria.

RESULT Structured assessment of competing SMO/RIC proposals to support the vendor decision

DUTCH OPERATOR

Nationwide 5G launch

Technical lead for 5G radio design (mid-band TDD and low-band DSS), including HLD, LLD and lab validation.

RESULT First nationwide 5G coverage in the Netherlands, using DSS

BELGIAN OPERATOR

Refarming at scale

Project manager for spectrum refarming across 5,000 multi-vendor sites, coordinating internal and vendor teams.

RESULT Clear scope, ownership and purchase-order process across internal teams and multiple vendors

DUTCH OPERATOR

Benchmark-winning quality

Feature assessment and optimisation of new Ericsson 4G and 3G software, in an international team.

RESULT "Outstanding" rating in the P3 benchmark three years running

05 Career

2020 – today

Independent consultant · operators in Belgium and the UK

- Automation product and programme lead for a cloud-based RAN automation platform: roadmap, Microsoft Azure migration, closed-loop readiness, supplier governance and operational adoption.
- SMO/RIC vendor RFP committee member; automation expert in a RAN optimisation managed-services RFP.
- Project manager for a 5,000-site multi-vendor refarming programme; structured a 3G sunset; led national RAN optimisation, capacity and congestion relief, and 5G/4G feature introduction on a shared RAN.
- UK operator: business case and strategic roadmap for the 3G sunset, with national RAN performance analysis.

2015 – 2020

RAN SW Solution Architect · VodafoneZiggo, Netherlands

- Technical lead for 5G radio design; led a 2-month DSS validation campaign in the lab on Ericsson equipment.
- Led development and optimisation of new Cisco SON applications to automate RAN optimisation.
- Ericsson 4G and 3G feature optimisation (P3 "outstanding" three years running); LTE/IoT capacity management; 3G shutdown by 2019.

2014 – 2015

Radio and Transmission Planning Engineer · Vodafone, Netherlands

- Managed Huawei small cells across Amsterdam end to end: software upgrades, optimisation and day-to-day operations.
- SQL-based RAN analysis and radio planning guidelines for small cells. Earlier: Massive MIMO research at IMEC, Leuven.

06 Education and certification

MSc Research on ICT, UCLouvain, Belgium · Distinction

MSc Wireless Communication Systems, UPC Barcelona, Spain

Project Management Professional (PMP), PMI, 2023

Training: 5G NR, DSS and mmWave (Qualcomm); Machine Learning Foundations (University of Washington); Data Scientist with Python (DataCamp)

07 Ways to work together

Fixed-price assessment: automation maturity, SMO/RIC readiness or vendor due diligence, with a written roadmap

Expert delivery: RAN engineering or programme management by the day or month, remote or on-site

Interim leadership: part-time head of automation or platform owner

Contracting: B2B through a Luxembourg company, EU reverse-charge VAT, professional indemnity insurance; Benelux, UK and Europe