

Ahmed M. Abdelaziz

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Summary of Qualifications

An experienced RNPO Telecom Engineer with 4-5 years in depth radio network parameters and equipment knowledge. Co-developed the bi-sector (bi-beam) solution in 2012 to overcome code limitations in 3G which lead to enhancement in network performance by 25% by end of 2014. Helped optimize call drop rate, call setup rate for voice and data throughput to a very high standard that helped the company maintain its position as the best operator in Regulator's benchmarking 5 consecutive quarters. Good eye for detail; well organized, skilled in setting priorities and project management.

Professional Experience

[Company: Mobinil], [Cairo], [Egypt]

[1/6/2012] – Present

[Senior RF Planning and Optimization Engineer]

- Work on solving coverage problems and enhancing quality on tight occasions (i.e. demonstrations with 100 thousands of protesters) also parameters modification for regular KPIs enhancement over worst 10% network sites.
- 2G/3G Network Optimization Tasks of network monitoring to achieve target Access, Mobility and Retain-ability KPIs, while enhancing user perception and throughput.
- 2G BSC and BTS Parameters modification to relieve Blocking and Call Drop Rate.
- 3G RNC, NodeB, Cell and Core(MSC,SGSN,GGSN) parameters , switches and timers optimization to enhance KPIs and User perception ; Optimizing DPI and PCRF to set user's SPI and Cell limits.
- New sites Deployment Process, Frequency Planning, New Sites Design and Integration responsibilities from Draft phase till On-Air.
- Frequency Re-farming for U900 & Coverage Maps with traffic distribution for Network
- LTE Radio interface responsible for Trials and Launching (including CSFB,SRVCC CSFB , MLB, Carrier aggregation)and initial LTE deployment. .
- U900 Camping Strategy and traffic balancing using parameters and Updated Prediction and coverage tool.
- Enhancing Accessibility, Retainability and Setup Time for Voice and Data through optimizing both RAN and Core Parameters. .
- Deployment of new Technologies and Features over Network over Past 3 years.
- **Technologies including:** HETNET, Small Cells solutions, 3G/Wifi and Multi-Beam Multi Sectors for Capacity Boosting. ASSET Myriad Prediction Model and Asset ACP.
- **Features Including:**
- CSFB, Carrier Aggregation, ICIC, MRO, MLB in 4G
- SRB over HSDPA, SRB over HSUPA, Fast Dormancy, CE-overbooking, Dynamic IBLER , AMR 3.4kbps , AQM, Dual Carrier,Web Browsing accelerator, Service Awareness ,RTWP optimization & DB in 3G.
- Dynamic multiple CCHs, Layered Paging, Call Re-establishment and Handover Re-establishment, VAMOS & OSC, ICC in 2G.

[Company: Etisalat], [Cairo], [Egypt]

[1/2/2012] – [30/5/2012]

[Roll-out/Radio Equipment Engineer]

- To Supervise Sites Equipment Delivery Antenna Arrival and Functionality. Base Station Equipment,
- Manage Retro-Fittings for Towers and Masts.
- Perform Cost- Benefit Analysis.
- Put a plan for Sites Deployment for The Quarter including Priorities based on Neighbor Sites KPIs and Traffic relieve.
- Put Targets for Dense Areas, Urban & Sub-Urban.
- Single-RAN (SRAN) Sites Swap.

Educational Background & Professional Training

Degree: Bachelor's Degree of Telecommunication & Computer Engineering

University: Cairo University, Faculty of Engineering

Country: Egypt

Training: 2G/3G Radio Network Planning & Optimization HUW Certificate

Training Campus: Huawei Training Center- Kuala Lumpur, Malaysia.

Training: Prediction Using ASSET for 3G Dimensioning & Model Calibration

Training Campus: France Telecom / Mobinil premises.

Seminar: Small Cells & SON Solutions and HETNET Systems

Presented by: ALU Skill Center (France), HUW Skill Center (HQ, China).

Technical Skills

- Experience with OMCs software for various (worked on Huawei's M2000 and PRS, Nokia's Net-Act and Alcatel's NPO,).
 - 2G/3G System Architecture , LTE systems deployment and basic configuration for new LTE Sites
 - MRs & Handset analysis using Geo-Representation of GENEX-NASTAR.
 - PCHR analysis using Nastar and using FMA
 - Live nodeb traces and user traces using Tektronix and LMT
 - Drive Test & Post Processing using TEMS Investigation and TEMS Discovery
 - Map Info.
 - Microsoft Office.
 - Asset Enterprise, UNET and Atoll Prediction Tools
 - Agora Automatic Frequency Planning (AFP).
 - LTE & LTE-Advanced System Engineering Knowledge and Optimization Parameters along the other Radio Access Technologies.
 - Presentation Skills and efficient using of visual effects, and presentation tools to demonstrate trials, business Cases or Annual figures to the Board of Directors on a regular bases.
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Additional Information

Languages:

- **Arabic- Mother Tongue**
- **English- Fluent Writing, Reading & Speaking**
- **French & Spanish – Basic**

Extracurricular Activities:

- Company's soccer team winning 2nd Place in Technology tournament.
- Have a minor Degree online in Sociology and Human Psychology.
- Achieved certificate of accomplishment in Innovation and creativity (from MIT & EDX)
- Achieved a certificate of accomplishment for Data Analysis Methods Using Python and R programming languages.
- Have a certificate of Mastery In Governmental Law Basics & Ancient Greek Literature.
- Love Reading Novels & Biographies.

References:

Available upon Request