

SENIOR telecom ENGINEER

Talented and dynamic young professional with more than 10 years accomplished career experienced in Telecommunication industry. With extensive leading-edge Transmission networks. Fast learning of new tasks, concepts and quick understood of new technology. Adept at managing multiple roles simultaneously.

Specialties:

Project Management, Engineering, Systems Integration, Microwave, Satellite Communication, WIMAX, VHF and Fiber optic (backbone and B2B).

CAREER HISTORY

Transmission operation supervisor

September 2013– December 2015

TOTAL GABON

- Responsible for daily operation and maintenance, implementation, and upgrade of transmission networks (FH, WIMAX, VHF, CCTV, PA/GA and Fiber optics)
- Successfully performed Traffic and Transmission Engineering/Field Operations that does the operation and maintenance of all transmission technologies used by Total Gabon.
- Wrote and implemented standard operating procedures, request for proposal, system integration, proof-of-concept, and project management.
- re-engineering WIMAX RF design to overcome rain fade, and interference. And optimizing the coverage areas
- Responsible for the path and site survey for WIMAX solution, pathloss calculation, engineering design, and end-to-end transport activation (barge and RIG move).
- Trained and mentored technician the basic and fundamental theory of data, microwave, WIMAX, fiber optic and satellite telecommunication. Classroom training for telecommunication instrument such as Site Master, BERT Tester, Power Meter, Spectrum Analyzer, OTDR, and E1 test equipments.

Optical fiber and satellite transmission expert

January 2010– septembre 2013

Orange Tunisia:

1) Satellite transmission:

- Administration and maintenance of the satellite HUB and satellite point-to-point links.
- Management of VSAT HUB migration project with 500 customers (€ 1.5M budget):
 - Technical Déploiement
 - Reception and installation of the new HUB (iDirect Evolution DVB-S2 with PCMA)
 - Reorganization of the frequency plan and implementation of an action plan for the swap VSAT customers on the new HUB
- Design and construction of a satellite internet solution for "SNC LAVALIN" based between Tunisia (one site) and Libya (3 sites): CAPEX budget of € 600,000 with a payback of 13 months. (Project approved by the Executive Committee of Orange Tunisia)
- Reorganization of the frequency plan orange Tunisia satellite transponder on Eutelsat KB9 WA3 satellite.
- Migration of point-to-point satellite connection (SCPC) to double-talk connections (reducing bandwidth usage by 40%)
- Study and implementation of satellite links for the GSM backholling in isolated sites of Orange Tunisia and Ooredoo Tunisia.
- Dimensioning Capabilities of satellite spectrum (LTPLAN, link budget)

2) Fiber Optic:

- Responsible for the design, planning, and execution of B2B fiber optic
- Ensure coordination with customers and installers for fiber optic connections
- Setting up a procedure for B2B fiber connection (cable routing at buildings, Foire, shopping center, platform / oil site, data center ...)
- Engineering Fiber Optic enterprises and backbone (B2B / FTTX) Management of fiber resources and creation of synoptic connections and fiber circuits. optical fiber deployment: deployed 250 km / 500 km via rental
- Study and implementation of the project creation of fiber optic loops (by area) with a minimum of shots and based on existing of Civil Engineering and corporate backbone

Transmission technician and customer support

Sep 2006 – Dec 2009

Divona (became Orange Tunisia since 2010)

- NOC Operations and Customer Relations of WIMAX, Microwave and satellite links
- Contribute to the commissioning of the first WIMAX backbone in Tunisia (2007)
- Responsible of the WIMAX LOS and site survey.
- Supervising and acceptance of the VSAT, WIMAX and microwave installation
- SWAP the Alcatel FVB-RCS HUB to the Advantech DVB-S Hub.
- Conducted daily network support tasks and maintained the satellite Hub status and performance.
- Complete installation of WIMAX/VSAT antennas and Link Commissioning.
- Coordination with Satellite operators for Link Budget implementation, ASI/CPI testing
- SCPC Satellite Link installation and configuration.
- Created and maintained comprehensive documentation for all implemented networks (WIMAX, VSAT and microwave)
- Preventive maintenance and technical audit of installed sites

EDUCATION, TRAINING AND CERTIFICATIONS

- Math, Physic, Computer (INSAT 2001-2003)
- Senior technician computer networks (ISET'COM 2003-2006)
- Telecommunication engineer (ESPRIT 2010-2014)
- Cisco ICND (2007)
- Training VSAT HUB Advantech (2008)
- Certification Bosiet: Basic offshore safety induction and emergency training course, including HUET and EBS (2008)
- Certification Wimax RedLine (2008)
- Training Fiber optic DWDM (Huawei 2010)
- Certification design and transmission network engineering (NEC 2010)
- Training SkyWire (Comtech UK 2010)
- Training Memotech CXU (Dubai 2011)
- Certification Idirect operation and maintenance Idirect VSAT Product :IOM 3.1 (2012)
- Certification CICSCO : CCNA Exploration : Network fundamentals (Mars 2013)
- Certification AVIAT Network microwave and supervisory system (Juin 2014)
- Habilitation Bosiet (APAVE 2013)
- Habilitation HSE (Total Gabon 2013)
- Work at height Habilitation (APAVE 2013)
- Electrical Habilitation H0B0 (APAVE 2013)