Holds B. Sc. in Telecommunication Engineering and M. Sc. in Telecommunication Systems. Has about 14 years' experience working in design, technical office and project management.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	26/02/1986
Gender	:	Male
Residence	:	Cairo

EDUCATION

- : B. Sc. in Telecommunication Engineering, El-Shorouk Academy, 2007
- : M. Sc. in Telecommunication Systems, Cairo University, 2022

LANGUAGES

Arabic	:	Native Language
English	:	Very Good
German	:	Basics

COMPUTER SKILLS

- : Windows, MS Office, Internet
- : NN-ML
- : Python, Tensorflow, Keras
- : Matlab
- : FPGA Altera tools
- : AutoCAD / QGIS

TRAINING COURSES AND CERTIFICATIONS

- : Chief Data Officer (CDO) program, Ministry of Communications and Information Technology (MCIT) with Amazon Web Services (AWS) - Ministry of Communications and Information Technology (MCIT) with SaS (May – Sep. 2023).
- : Project Management for ICT, ITU Academy - UKTA (Apr. – Jul. 2019).
- : Legal, Regulatory, Policy and Environment of a Converged Society, ITU Academy - UKTA (Jul. – Oct. 2019).
- : Competition Policy for the Digital Age, ITU Academy - GSMA (Aug./Sep. 2019).

- **:** FTTx Installation & Designing Networks Cert., Emettle (Edinburgh, Scotland) (Sep. – Nov. 2014):
  - Principles of Air Blown Fiber Technology.
  - Deigning FTTx Networks using ABF technology.
  - Implementing FTTx Networks using ABF.
- **:** PMP Preparation course, Telecom Egypt (Cairo, Egypt) (Jan./Feb. 2014).
- **:** IMS & NGN concept, Alcatel Lucent (Cairo, Egypt) (Jun./Jul. 2010):
  - Principles of NGN.
  - Principles of IP & NGN protocols (SIP, MEGACO, SIGTRAN).
  - Principles of IMS/TISPAN.
- **:** (FE) examination, NCEES, American University (Cairo, Egypt) (Sep. 2008 – Apr. 2009).
- **:** (SDH, DWDM & FTTx), National Telecommunication Institute (Cairo, Egypt) (Nov./Dec. 2008): Nortel Network SDH Multiplexing course provided by NORTEL NETWORK (sponsored by NTI EGYPT) NORTEL NETWORK covering:
  - Introduction to PDH, SDH and DWDM.
  - Introduction to Fiber to The Home (FTTH).

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From Dec. 2021 till now
Employer	:	National Telecommunications Regulatory Authority (NTRA), Smart Village
Job title	:	Broadband Manager
Job Description	:	- Lead a team that Creating, innovating and benchmarking National Digital strategy with strong impacts on Smart City strategies, Broadband strategy Data Strategy, and Digital transformation strategy. - Enforcing regulatory rules, frameworks and guidelines for ensuring telecom companies follows the national broadband plan/strategy. - Contributing in several national codes and guidelines related to new telecom era (wireless densifications, long range cells coverage, FTTx domain solutions, smart cities….). - Leading roll out team for Broadband Universal services strategy and solutions that focusing on citizens' rights of telecom services especially rural areas. - Team member and contributor in Egyptian committee in in-land International Submarine Cable Protection. - Focusing in data management / policies for smart cities, smart services and smart city asset management.
Dates	:	From Oct. 2020 till Nov. 2021
Employer	:	Administrative Capital Urban Development, Tulip Hotel, 5th Settlement, New Cairo
Job title	:	Smart Infrastructure Implementation Manager
Job Description	:	- Managing smart telecom infrastructure Implementation processes for the New Capital. - Rollout, monitoring and managing consultancy process model between ACUD and implementation contractors. - Preparing and Reviewing the general contracting framework for FTTx /

optical transmission networks inside New Capital boundaries.
- Ensure Quality Management through consultancy process.
- Communicate to senior management regarding the progress and issues of the projects.
- Manage risks as they arise and identify potential risk and find ways to mitigate them.
- Leading Technical team for reviewing and deploying telecom network infrastructure aspects supporting both telecommunications and smart services.

Dates	:	From Jan. 2017 till Sep. 2020
Employer	:	National Telecommunications Regulatory Authority (NTRA), Smart Village
Job title	:	Telecom Infrastructure Project Manager
Job Description	:	• Managing, reviewing the design of the internal telecommunication network (initial design) according to the codes issued by NTRA.

- Coordinating with (Telecom Egypt) in respect to smart city projects including, but not limited to:
  - Ensuring integration of new city network with the national telecom network.
  - Ensuring that TE executes approved telecom networks design or nearby.
- Contributing member of Releasing NTRA technical guidelines and technical codes for smart city infrastructure and services.
- Contributing member of Issuing national codes in coordination with governmental entities (HBRC, MOH) for smart city infrastructure and services.
- Contribute with internal sectors for describing, analyzing and formalizing of ICT/telecom services relevant to Smart Cities.
- Contribute with internal sectors for describing, analyzing and formalizing of add-on services by telecom services relevant to Smart Cities.
- Initiating, updating and enforcing Key-Performance Indicators relevant to Smart Cities.
- Contribute with internal/external sectors for Smart Cities' developing training initiatives.
- Studying relevant regulatory studies for Smart City projects.

Dates	:	From 2014 till Dec. 2016 (part time)
Employer	:	Misr Consult & many consultants
Job title	:	Telecom Designer Engineer
Job Description	:	Responsible for designing various telecom solutions, submittals, BOM and BOQ.

Dates	:	From 2009 till Dec. 2016
Employer	:	Telecom Egypt, B7 Smart Village Alex Road
Job title	:	Senior Transmission Network Implementation Engineer
Job Description	:	Responsible for FTTx networks as Planner and implementer.

Field of experience :

- Project Manager: I have managed a lot of FTTx / optical transmission and smart cities projects, Design and manage projects within timelines and budgets.
- Leadership.
- Business Developer: Many case studies relate to Telecom Industry, Create plans for system timelines, value, specs, budget and resources.
- Innovative: Stay updated on tech trends and identify ways to enhance operations.
- Good command of Project Management (currently responsible for Developing Smart Cities' telecom infrastructure):
  - SDH networks, DWDM networks.
  - Z-Wave, ZigBee, RFID.
  - Digital strategy, Broadband strategy, Digital economy.
  - Smart Cities, IOT.
  - Wireless densification.
  - Digital Transformation.