TELECOMMUNICATIONS & 5G · TELECOM INFRASTRUCTURE & OPERATIONS

# Telecom Sites: Power, Earthing & Infrastructure

مواقع الاتصالات: الطاقة والتأريض والبنية التحتية

3 days | Intermediate | In person · Live online | Arabic & English

Keep telecom sites powered, protected and running. You will learn site layouts and towers, DC power systems and rectifiers, batteries and generators, solar and hybrid power, earthing and lightning protection, cooling, and the preventive maintenance that prevents outages.

## WHO IT'S FOR

Site engineers, power and field technicians, and maintenance supervisors at operators and contractors.

## BEFORE YOU START

No formal prerequisites: bring curiosity and a willingness to practise.

## WHAT YOU'LL LEARN

- Describe telecom site layouts, shelters and towers.
- Operate DC power systems, rectifiers and batteries.
- Plan generator, solar and hybrid power for a site.
- Apply earthing, bonding and lightning protection.
- Plan preventive maintenance to avoid outages.

**Training a team?**
We run this course privately for organizations, on your dates, at your site or ours, and adapt the examples to your network and equipment.

COURSE OUTLINE

# 5 modules, 3 days

MODULE 01

### Telecom sites

- Site types and layouts
- Towers, masts and shelters
- Site access and safety

MODULE 02

### DC power

- Rectifiers and power plants
- Batteries and backup time
- Power monitoring

MODULE 03

### Generators, solar and hybrid power

- Generators
- Solar and hybrid systems
- Reducing fuel use

MODULE 04

### Earthing and protection

- Earthing and bonding
- Lightning protection
- Surge protection

MODULE 05

### Cooling and maintenance

- Cooling systems
- Preventive maintenance
- Alarm handling

ALSO IN TELECOM INFRASTRUCTURE & OPERATIONS

**AI Prompting for Telecom Engineers**, **Career Skills for Telecom Engineers: CV, Interviews and LinkedIn**, **Mobile Network Field Engineering**, **Network Operations Centre (NOC) Operations**, **Telecommunications Fundamentals**

## Enrol or ask a question

In person in Damascus · Live online · Private training for teams. Tell us your goals and we will send the dates, the fees and the right level for you.

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