TELECOMMUNICATIONS & 5G · RF & RADIO PLANNING

In-Building Coverage Solutions (IBS & DAS)

حلول التغطية داخل المباني (IBS وDAS)

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

Bring reliable mobile coverage inside malls, hospitals, offices and towers. You will survey buildings, choose between passive and active distributed antenna systems and small cells, design the layout and link budget, and plan installation and acceptance tests.

WHO IT'S FOR

RF and in-building design engineers, installers and project engineers.

BEFORE YOU START

RF Fundamentals for Telecom or equivalent experience

WHAT YOU'LL LEARN

- Survey buildings and define coverage requirements.
- Compare passive DAS, active DAS and small cells.
- Design an in-building system with a link budget.
- Plan installation, commissioning and acceptance.

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

In-building coverage

- Why outdoor coverage is not enough
- Requirements and capacity

MODULE 02

Surveys

- Walk tests
- Building drawings

MODULE 03

Solution types

- Passive DAS
- Active DAS
- Small cells

MODULE 04

Design

- Components and losses
- Link budget and layout

MODULE 05

Delivery

- Installation
- Commissioning and acceptance tests

ALSO IN RF & RADIO PLANNING

RF Fundamentals for Telecom, **Drive Testing & Network Optimisation**, **Modulation & Coding Techniques**, **Radio Network Planning with Atoll**, **Radio Network Planning & Optimisation**

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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