

## رئوس مطالب:

- **Design methodology**
  - Facilities, cabling, network, services, and applications
  - Data center service outsourcing
- **Site selection and space planning**
  - Modular and "container" data centers
  - Site services and hazards
  - Traditional and open concepts
- **Structural and architectural**
- **Electrical systems**
  - Utility to ITE power systems
  - Standby and backup power systems
  - DC power
- **Energy efficiency**
- **Multi-site data center architecture**
- **Colocation Planning**
- **Design Process**
- **Reliability and Availability**
- **Alignment of Data Center Services Reliability with Application and System Architecture**
- **Data Center Services Outsourcing Models**
- **Multi-Data Center Architecture**
- **Examples of Testing Documentation**
- **Design for Energy Efficiency**
- **Colocation Technical Planning**
- **Mechanical systems**
- **Security and fire**
  - Architectural, electronic and physical security
  - Fire safety for chimneys and aisle enclosures
- **Facility and building systems**
  - DCIM
  - IP-enabled/intelligent systems
- **Telecommunications infrastructure**
  - Cabling media and connectivity
  - Hot and cold aisles
  - Cabinet airflow and cabling capacity

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