

The Data Center Design

Checklist: **WESTWOOD MANAGEMENT EA LTD**

- 1) Who will be the typical data center user? (Do we speak about corporate or hosting DC?)

- 2) Do you have to follow any internal (corporate) standards when designing the data center?

- 3) How many server racks and network (telco) racks will be necessary in the first phase, how many later? What is the expected growth per year and the data center lifetime?

- 4) What is the location (address, floor level) and size of future computer room (width x depth x clear height)?

- 5) What is the expected final power density (kW per rack, kW per m²)?

- 6) What is the required availability (Tier I to IV) or supposed operation mode (5x8, 7x24, 7x24x365)?

- 7) Are there any known limitations (load bearing capacity of the floor, available power supply capacity, transformer and switchboard nominal ratings, emissions – noise/exhausts,

financial budget, transportation paths, elevation/distance between indoor and outdoor cooling unit)?

- 8) What is the expected data center autonomy time? Define your idea about short-time (e.g. UPS) and long-time (e.g. genset) backup.
- 9) What is the required security standard for data center access? Is it required a controlled access to individual racks? Fire suppression device to be installed for closed racks?
- 10) Do you like to make our attention to any special requirements related to the project? Are there any special requirements regarding technologies you would like to deploy? (e.g. use of existing source of chill, optimization of maintenance)
- 11) Please describe your idea about UPS + battery room (recommended UPS collocation in a separate room).
- 12) Please precise your idea about structured cabling system. Do you require any overhead cable pathways?
- 13) Contact information for technical and commercial issues.