



## AMON TECHNOLOGIES LLC

# DATA CENTER **CONSULTANCY SERVICES**

DAKESSIAN CONSULTING / DATA CENTER CONSULTANCY SERVICES

#### **OUR DC DESIGN SERVICES**

- ▶ Site Selection, Design & Specification
- ► Cooling & Green Technology Selection
- ► Implementation Management
- ▶ Uptime Certification TCDD , TCCF & TCOS
- ► Disaster Recovery & Business Continuity Planning
- Online Services

#### **ABOUT US**

- ► Amon Technologies is an LLC Registered In Jordan
- ► Our Trade Name is Dakessian Consulting
- ► JD30k Capitalization
- ► Data Center Design & Systems Consultants
- ► International Presence (Middle East, USA, EU)
- ▶ 40+ Years Of Experience
- ▶ Details on <u>www.dakessian-cnslt.com</u>

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## THE 6 STAGE METHODOLOGY

- Assessment
- Location
- Design
- Specification
- Implementation
- Migration



#### STAGE 1 - ASSESSMENT

- Environment
- ► Electric Power (Utility, Green, Sustainable)
- Data Networks
- ▶ Economic Incentives
- ► Access & Transportation
- ▶ Permits, Construction & Labour Costs
- Go Live Date

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#### STAGE 2 - RISK LEVELS



#### **STAGE 2 - SITE SELECTION**

- ► Risk Levels Matrix
- Disaster Types & Causes
- Physical Distance Constraints
- ► Ideal Geographic Zone

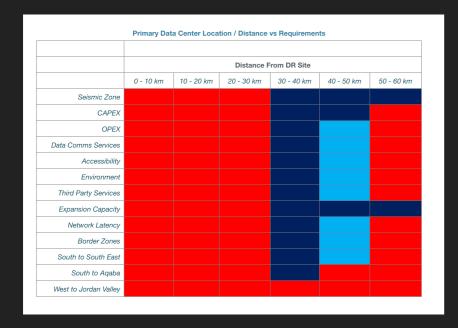
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#### **STAGE 2 – DISASTER TYPES / CAUSES**

Disaster Type Scenario	Natural Causes	Man Made Causes	Risk Leve
Infrastructure	Yes	Yes	High
Financial	No	Yes	Medium
Human Resources	Yes	Yes	High
Political & Regulatory	No	Yes	Medium
Products & Services	No	Yes	Medium
Information Technology	No	Yes	High

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#### **STAGE 2 – PHYSICAL DISTANCE CONSTRAINTS**



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#### **STAGE 3 - CONCEPTUAL DESIGN**

- ► Uptime Institute Tier Classification
- ► Functional Layouts
- Cooling Technology Selection
- ► Site Layout & Floor Plan
- ▶ Bill Of Quantities & Estimated Costs
- ► High Level Road Map

### **STAGE 2 – GEOGRAPHIC ZONE SELECTION**



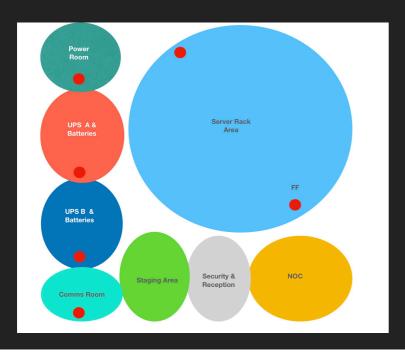
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#### **STAGE 3 – UPTIME INSTITUTE CLASSIFICATION**

	Tier I	Tier II	Tier III	Tier IV
Active Capacity Components To Support IT Loads	N	N+1	N+1	N After Any Failure
Distribution Paths	1	1	1 Active 1 Alternate	2 Simultaneously Active
Concurrently Maintainable	No	No	Yes	Yes
Fault Tolerance	No	No	No	Yes
Compartmentalization	No	No	No	Yes
Continuous Cooling	No	No	No	Yes

#### **STAGE 3 – FUNCTIONAL LAYOUTS**



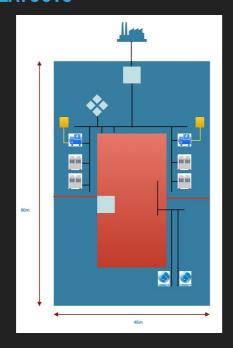
#### **STAGE 3 - COOLING TECHNOLOGY SELECTION**

- Air Cooling
- ► Liquid To Air Cooling
- ▶ 70% Direct Liquid Cooling
- ▶ 100% Direct Fan-less Liquid Cooling

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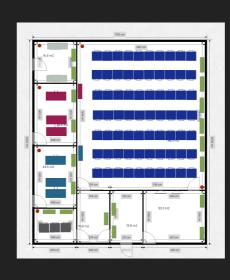
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### STAGE 3 - SITE LAYOUTS



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### **STAGE 3 - FLOOR PLANS**





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#### **STAGE 3 – HIGH LEVEL ROADMAPS**



#### STAGE 4 - TENDER & RFP

- ► Technical Specifications
- ► Functional Specifications
- ► Terms & Conditions
- ► Evaluation Criteria
- ► Proposal Evaluation
- Negotiation & Contracts

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#### **STAGE 5 – IMPLEMENTATION MANAGEMENT**

- Project Charter
- ▶ Project Plan
- ▶ Steering Committee
- ► Change Management
- ► Contractor Approvals
- Acceptance Criteria

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#### STAGE 6 - DC RACK MIGRATION

- ► New DC Network Design
- Current IT Asset Inventory
- Migration Plan & Risk Control
- ► Insurance & Transportation
- Installation
- Testing & Commissioning

### **AREAS THAT NEED ATTENTION**

- ▶ Site Selection
- ► Cooling System Design
- ► Technical & Functional Specs
- ► TCDD , TCCF & TCOS Certification
- ► Implementation Supervision
- ► Migration Planning
- ▶ Avoid Contractor Dominance



#### DAKESSIAN CONSULTING / DATA CENTER CONSULTANCY SERVICES

## **CONTACT DETAILS**

Phone: +962 6 5818508

Email: sales@dakessian-cnslt.com

Website: www.dakessian-cnslt.com

**Vatche Dakessian / CEO**