

*Data Center Project Management  
(A 3-day Instructor led Program)*

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## *Training Summary*

**Global Solution Partners LLC (GSP)** proposes a **3-Day, in-person**, fully interactive training program on **Data Center Project Management**.

This program blends global frameworks such as **PMI**, , and **Uptime Institute Tier standards** with Oman-specific context—Vision 2040 , Digital transformation priorities and local regulations.

Participants will gain practical, hands-on experience in managing mission-critical data center projects across their full lifecycle—from **Initiation and Planning** to **Execution, Monitoring, and Closing**—through real-world case studies, simulations, and capstone exercises.

## *Course Objectives and Learning Outcomes*

By the end of this training program, participants will be able to:

- ✓ **Develop Strategic Understanding:**  
Build awareness of the link between Oman Vision 2040, Infrastructure modernization, and Data Center PM.
- ✓ **Strengthen Project Management Competency:**  
Learn to plan, execute, and close complex projects using PMI methodologies.
- ✓ **Master Technical Domains:**  
Understand key components—power, cooling, civil works, fire and security systems, IBMS, redundancy design.
- ✓ **Apply Global Standards:**  
Align projects with Uptime Institute Tier levels, guidelines.
- ✓ **Enhance Stakeholder & Risk Management:**  
Conduct effective stakeholder engagement and apply structured risk mitigation methods.
- ✓ **Improve Quality & Commissioning Practices:**  
Execute robust QA/QC, testing, and handover protocols for top-grade reliability.
- ✓ **Demonstrate Integration & Leadership:**  
Manage multi-disciplinary teams, adapt to challenges, and deliver results in a mission-critical environment.
- ✓ **Achieve Certification:** Pass the final assessment program on proficiency of the concepts learned

*Day-Wise Curriculum*

Day	Focus Area	Topics & Activities	Learning Outcomes
Day 1	<b>Strategic Context &amp; Project Initiation</b>	<ul style="list-style-type: none"> <li>• Course Introduction</li> <li>• PMI overview</li> <li>• Uptime Tiers</li> <li>• Project Charter &amp; Stakeholder Analysis</li> <li>• Site survey and feasibility exercise</li> </ul> <p><b>Activities:</b> Group charter drafting, stakeholder role-play, ice-breaker discussion</p>	<ul style="list-style-type: none"> <li>• Understand strategic drivers and standards.</li> <li>• Prepare a Project Charter aligned with Org. goals.</li> <li>• Identify and map key stakeholders</li> <li>• Recognize initiation pitfalls and Concerned Industry-specific constraints.</li> </ul>
	<b>Scope, Schedule &amp; Budget Planning</b>	<ul style="list-style-type: none"> <li>• Defining scope for civil, electrical, mechanical, IT domains</li> <li>• WBS &amp; Gantt chart</li> <li>• Budgeting &amp; procurement strategy</li> </ul> <p><b>Activities:</b> WBS group exercise, cost allocation simulation, risk brainstorming</p>	<ul style="list-style-type: none"> <li>• Develop detailed scope and WBS</li> <li>• Construct basic schedules and budgets</li> <li>• Recognize Tier-related design implications</li> <li>• Anticipate common project risks.</li> </ul>
Day 2	<b>Execution, Monitoring &amp; Risk Management</b>	<ul style="list-style-type: none"> <li>• Recap of Day 1</li> <li>• Execution planning and contractor coordination</li> <li>• Quality inspections and HSE plans</li> <li>• Progress tracking (KPI based)</li> <li>• Change and scope control</li> <li>• Risk register updates &amp; contingency planning</li> </ul> <p><b>Activities:</b> Daily stand-up simulation, dashboard analysis, change-control simulation</p>	<ul style="list-style-type: none"> <li>• Manage multidisciplinary execution</li> <li>• Apply performance monitoring tools</li> <li>• Enforce disciplined change management</li> <li>• Maintain live risk and issue logs.</li> </ul>
	<b>Testing, Commissioning &amp; Handover</b>	<ul style="list-style-type: none"> <li>• Recap of Day 1 &amp; Day 2</li> <li>• QA/QC principles</li> <li>• FAT, SAT &amp; Integrated System Testing</li> <li>• Uptime certification process</li> <li>• O&amp;M documentation and lessons learned</li> </ul>	<ul style="list-style-type: none"> <li>• Understand testing sequence and success criteria</li> <li>• Ensure readiness for certification and client handover.</li> <li>• Value continuous improvement via lessons learned.</li> </ul>



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		<b>Activities:</b> Commissioning checklist review, fault-injection discussion, handover role-play	
<b>Day 3</b>	<b>Capstone Simulation &amp; Final Assessment</b>	<ul style="list-style-type: none"><li>• End-to-end case study</li><li>• Team project execution with live challenges</li><li>• Final presentation to review panel</li><li>• Knowledge quiz &amp; feedback session</li></ul>	<ul style="list-style-type: none"><li>• Integrate all concepts into one simulated project.</li><li>• Demonstrate teamwork, adaptability, and leadership.</li><li>• Validate knowledge through assessment.</li><li>• Achieve readiness to manage real data center projects.</li></ul>

## *Training Methodology and Format*

Our program maximizes engagement and retention by blending expert instruction with hands-on, interactive learning tailored to client's operations.

✓ **Instructor-Led Interactive Sessions:**

Each topic is introduced through short lectures and visual case examples, ensuring clarity of complex technical and managerial concepts.

✓ **Real-World Case Studies:**

Real life context scenarios replicate real project challenges—confidentiality, redundancy design, supply-chain delays.

✓ **Workshops & Group Exercises:**

Teams create charters, WBS, schedules, and risk registers—building applied competence through hands-on tasks.

✓ **Role-Plays & Simulations:**

Participants enact stakeholder meetings, kick-off discussions, and project handovers to practice leadership and communication.

✓ **Capstone Project Integration:**

A multi-phase simulation across all project stages (*Project Simba*) reinforces knowledge synthesis.

✓ **Continuous Feedback & Assessment:**

Daily recaps, quizzes, and a final scorecard evaluate learning retention and soft-skill performance.

✓ **In-Person Delivery for Maximum Engagement:**

Sessions include discussions, whiteboard planning, and visual aids to foster collaboration and peer learning.

This blended, practical approach ensures attendees gain not only knowledge but also the confidence and skills to apply best practices in team's daily operations.

## *Deliverables*

- ✓ **Three Days of Expert Instruction:** On-site, 3-day training led by a certified instructor, fitting to client's schedule (about 7 hours/day, including breaks) for minimal operational impact.
- ✓ **Course Materials:** Comprehensive printed materials for each participant—presentation slides, module notes, reference standards (as allowed), worksheets, and case study handouts—all for future use.
- ✓ **Hands-On and Interactive Exercises:** In-class demonstrations with tools/props
- ✓ **Assessment Certificate:** Based on your participation and performance we shall present a certificate to all individuals
- ✓ **Post-Training Support:** 30 days of email/phone support for questions and clarifications, helping apply knowledge to real-world operations.