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# Airport Terminal Expansion Project Management Training Course

29 August – 2 September 2027
Abu Dhabi

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**Ref:** 2084_76775 **Date:** 29 August – 2 September 2027 **Location:** Abu Dhabi **Fees:** 6500 GBP

Airport Terminal Expansion Project Management is a 1-week training course for airport project, development and capital works managers who must enlarge passenger terminals while flights keep departing, and it builds a Live-Terminal Works Phasing Plan. Passenger growth, ageing buildings and tighter capital scrutiny push airports to expand without closing gates or eroding service levels. Jupiter Prime Training delivers this course on Airport Terminal Expansion Project Management.

## Why Airport Terminal Expansion Project Management Matters Now

Three forces shape terminal expansion today: demand rising faster than buildings are replaced, airlines and concessionaires expecting gates and retail units to stay open, and funders scrutinising every change order. An airport that phases its works well opens new piers on schedule. One that phases them badly faces closed check-in zones, contractor claims and delayed opening. The course rests on established project lifecycle process groups and the operational readiness and airport transfer approach used to bring new facilities into service.

## Who Gains Most from Airport Terminal Expansion Project Management

- Professionals who sponsor terminal and pier capital schemes to handover
- Specialists who sequence construction packages around live passenger flows and airline schedules
- Coordinators of interfaces between consultants, contractors and operators
- Staff who prepare terminal operations, systems and people for opening day
- Controllers who track cost, change and claims on airport development budgets

A development directorate gains most when its project, operations and commercial leads attend together and agree one phasing logic for the terminal.

## Airport Terminal Expansion Project Management Capabilities

Participants learn to grow a terminal while balancing build speed against passenger and airline disruption.

- Design a construction phasing sequence that protects gate, check-in and baggage capacity — terminal operations leadership
- Specify contractor interface rules for airside access, hoarding and night possessions — main contractor and security teams
- Assess live-site hazards from works next to passengers and aircraft stands — safety and operations managers
- Build an operational readiness trial schedule for new piers and systems — opening-day decision
- Calculate the capacity loss of each works stage against forecast peak-hour demand — airline and handler consultation

- Communicate change, delay and claim positions to funders and boards — capital approval

## Key Airport Terminal Expansion Project Management Terms

- Works phasing — the planned order of construction stages arranged so the terminal keeps enough operating capacity at every point.
- Operational readiness — the preparation of people, procedures and systems so a new terminal area opens safely.
- Possession — a booked period when a zone, stand or corridor is handed to the contractor and closed to operations.
- Interface register — a record of where two contractors or systems meet and who owns each hand-off.
- Peak-hour capacity — the number of passengers a terminal process can handle in its busiest hour.
- Soft opening — a limited first use of new facilities with selected flights before full transfer of operations.

## Airport Terminal Expansion Project Management Day by Day

## Day 1: Expansion Drivers and Project Context

- Passenger Forecast and Design Hour — Sizing the Expansion Scope
- Terminal Development Options Appraisal — Choosing Extension, Pier or New Building
- Business Case and Funding Gateways — Securing Board Capital Approval
- Stakeholder Map of Airlines, Handlers and Tenants — Early Consultation Priorities
- Project Charter and Governance Board — Setting Decision Rights

## Day 2: Phasing a Live Terminal

- Capacity Loss Modelling by Works Stage — Accepting Temporary Service Reductions
- Temporary Passenger Routes and Wayfinding — Keeping Flows Safe and Legible
- Night and Off-Peak Possession Planning — Booking Zones for Contractors
- Utility Diversions and Systems Cutovers — Avoiding Unplanned Terminal Outages
- Integrated Master Schedule With Critical Path — Fixing Key Milestone Dates

## Day 3: Contractor Interfaces and Procurement

- Package Strategy and Contract Forms — Allocating Design and Build Risk
- Interface Register Between Packages — Assigning Hand-Off Ownership
- Airside Access, Escorting and Security Screening of Workers — Site Logistics Rules
- Change Control and Early Warning Notices — Containing Cost Growth
- Claims Avoidance and Dispute Escalation Ladder — Protecting Schedule Float

## Day 4: Live-Site Risk and Operational Readiness

- Live-Site Risk Assessment Next to Passengers — Hoarding and Separation Choices
- Foreign Object Debris and Crane Controls Near Stands — Airside Safety Limits
- Readiness Trials With Volunteer Passengers — Proving Processes Before Opening
- Systems Commissioning for Baggage and Boarding — Accepting Contractor Handover
- Go-Live Readiness Criteria and Soft Opening — Authorising Full Transfer

## Day 5: Practising the Live-Terminal Works Phasing Plan

- Applying Capacity Loss Models to a Pier Extension Case — Stage Approval
- Testing the Interface Register Against a Systems Cutover — Ownership Gaps
- Rehearsing a Live-Site Incident Response — Contractor and Terminal Duty Roles
- Earned Value Dashboard for Board Reporting — Forecasting Completion Cost
- Live-Terminal Works Phasing Plan — Presenting Stages, Possessions and Readiness Gates

## Applying Airport Terminal Expansion Project Management After the Course

- Run a capacity loss review of the next works stage with airline representatives using the peak-hour model.
- Refresh the interface register for current packages and agree hand-off owners with each contractor.

## Airport Terminal Expansion Project Management Questions FAQ

### What is Airport Terminal Expansion Project Management and why does it matter now?

It is the discipline of planning and delivering terminal enlargement while the building stays open. Rising passenger numbers and limited land mean most airports now expand around live operations, so phasing, interfaces and readiness decide whether new capacity arrives on time.

### Which roles gain most from Airport Terminal Expansion Project Management?

Project sponsors, development managers, construction planners, readiness leads and cost controllers gain most. Planners of rail station upgrades and hospital extensions find the phasing methods transferable.

### How does Airport Terminal Expansion Project Management differ from an airport master planning course?

Master planning sets long-term land use on paper. This terminal expansion project management course starts once a scheme is approved, covering contracts, possessions, live-site risk and opening readiness for a specific build.

## What do you bring back from Airport Terminal Expansion Project Management?

You bring back a phasing plan for a live terminal, with works stages, contractor possessions and readiness gates.

## Airport Terminal Expansion Project Management: The Way Forward

The Live-Terminal Works Phasing Plan first informs which works stage the board releases next and which capacity it accepts losing. Project directors and contractor planners use it weekly. After the first stage completes, revisit the capacity loss assumptions against actual queue times and adjust later possessions before committing further packages.