JUPITER PRIME

Consulting • Training • Advisory

جوبيتر برايم للاستشارات والتدريب

COURSE BROCHURE

Obsolescence Risk and Last-Time Buy Planning Training Course

28 March – 1 April 2027
Muscat

jupiterprime.uk

info@jupiterprime.uk

Registered in the United Kingdom and Saudi Arabia

Obsolescence Risk and Last-Time Buy Planning Training Course

Ref: 3203_121828 **Date:** 28 March – 1 April 2027 **Location:** Muscat **Fees:** 6500 GBP

Obsolescence Risk and Last-Time Buy Planning is a 1-week training course for asset, engineering and supply managers who keep long-life equipment running and who produce an Obsolescence Risk Register and Last-Time Buy Plan for their asset owners. Suppliers now withdraw parts and software support long before plants and fleets reach the end of their design life. Jupiter Prime Training delivers this Obsolescence Risk and Last-Time Buy Planning course.

Why Obsolescence Risk and Last-Time Buy Planning Matters Now

Three pressures shape the subject today. Electronic components and control software follow short commercial cycles, while the machines they sit in are expected to run for decades. Manufacturers consolidate product lines and issue discontinuation notices with little warning. An organisation that sees end of support coming can choose calmly between a final purchase, a substitute or a redesign; one that does not ends up paying premium prices on the grey market or stopping production.

Who Gains Most from Obsolescence Risk and Last-Time Buy Planning

- Staff responsible for the reliability and spares strategy of production lines, utilities or fleets
- Engineers who approve replacement parts, form-fit-function substitutes and design changes
- Buyers who manage supplier relationships, discontinuation notices and final purchase orders
- Planners who hold the asset register and the long-term maintenance budget
- Specialists who look after control systems, firmware and operating software on site

Site asset groups gain most when engineering, supply and maintenance members attend together.

Obsolescence Risk and Last-Time Buy Planning Capabilities

Participants move from reacting to discontinued parts to forecasting, rating and funding the response before the shortage arrives.

- Build a bill of materials screen that flags parts, equipment and software nearing end of support — the asset owner's watch list
- Assess each item by likelihood of supply loss and operational consequence — the priority of mitigation spend
- Calculate last-time buy quantities from demand, failure rates, shelf life and storage cost — the final purchase order
- Weigh substitution, emulation, refurbishment and redesign against cost and qualification effort — the engineering change board
- Specify supplier notification clauses and data requirements in contracts — procurement and legal colleagues
- Communicate the costed long-term obsolescence plan to finance and operations — the capital budget cycle

Key Obsolescence Risk and Last-Time Buy Planning Terms

- Diminishing manufacturing sources — the gradual loss of suppliers able to make a part to its original specification.
- End-of-life notice — a supplier's formal announcement that a product will be discontinued.
- Last-time buy — a single final purchase sized to cover remaining equipment life.
- Form-fit-function substitute — an alternative part matching the original's dimensions and performance.
- Bridge buy — a smaller interim purchase that covers demand until a planned redesign or upgrade is complete.
- Obsolescence resolution cost — the total cost of the chosen response, including engineering, qualification, storage and downtime.

Obsolescence Risk and Last-Time Buy Planning Day by Day

Day 1: Product Life Cycles and Exposure

- Component and Software Life Cycle Stages — Timing Of Support Withdrawal
- Causes of Supply Loss and Discontinuation — Where Exposure Begins
- Asset Criticality Ranking — Which Systems Cannot Tolerate a Shortage
- Proactive Versus Reactive Obsolescence Policy — Choosing the Organisation's Stance
- Roles of Engineering, Supply and Maintenance — Ownership of Obsolescence Decisions

Day 2: Spotting and Rating Obsolescence Risk

- Bill of Materials Screening and Part Health Data — Early Detection of Risk
- Supplier Discontinuation Notices and Market Signals — Reading Warning Time
- Software, Firmware and Licence Support Horizons — Unsupported System Exposure
- Likelihood and Consequence Rating Matrix — Ranking Items for Action
- Obsolescence Risk Register Structure — Recording Owners, Dates and Triggers

Day 3: Last-Time Buys and Stock Decisions

- Demand Forecasting from Installed Base and Failure Rates — Sizing Final Orders
- Shelf Life, Storage Conditions and Ageing — Protecting Stock Over Years
- Holding Cost Versus Shortage Cost Trade-Off — Setting Buy Quantities
- Bridge Buys and Stock Pooling Across Sites — Sharing Scarce Spares
- Refurbishment, Repair Loops and Cannibalisation — Extending Existing Parts

Day 4: Substitution, Redesign and Costing

- Form-Fit-Function Substitute Search and Qualification — Approving Alternative Parts
- Emulation, Upgrade and Redesign Options — Engineering Change Choices
- Life-Cycle Cost Comparison of Resolution Options — Choosing the Lowest Total Cost
- Contract Clauses for Notice and Technical Data — Supplier Commitments
- Long-Term Obsolescence Budget and Funding Profile — Capital Planning Inputs

Day 5: Practising the Obsolescence Risk Register and Last-Time Buy Plan

- Case Asset Screening and Risk Rating — Applying Detection and Rating Methods
- Case Last-Time Buy Quantity Calculation — Applying Demand and Cost Models
- Resolution Option Selection for High-Risk Items — Applying Cost Comparisons
- Peer Challenge of Draft Plans — Testing Assumptions Before Sign-Off
- Obsolescence Risk Register and Last-Time Buy Plan — Final Owner-Ready Version

Applying Obsolescence Risk and Last-Time Buy Planning After the Course

- Screen the bill of materials of one critical asset and rate each flagged item in a risk register.
- Recalculate the last-time buy quantity for one discontinued part and table it for approval.

Obsolescence Risk and Last-Time Buy Planning Questions FAQ

What is Obsolescence Risk and Last-Time Buy Planning and why does it matter now?

Obsolescence Risk and Last-Time Buy Planning is the practice of predicting when parts, equipment and software lose supplier support and choosing the response in time. It matters now because supply cycles are shortening while assets are expected to run longer.

Which roles gain most from Obsolescence Risk and Last-Time Buy Planning training?

Asset, engineering and supply managers gain most, especially if you approve spares strategy, qualify substitutes or place final orders.

How does Obsolescence Risk and Last-Time Buy Planning differ from a general spare parts inventory course?

It focuses on items whose supply is ending. A general inventory course balances routine stock; this one rates end-of-support risk and sizes final purchases.

What do you bring back from Obsolescence Risk and Last-Time Buy Planning training?

You bring back a rated register of at-risk items and a costed plan of final purchase quantities, substitutes and redesign timing.

Obsolescence Risk and Last-Time Buy Planning: The Way Forward

The Obsolescence Risk Register and Last-Time Buy Plan first informs which discontinued items need a final order this budget cycle. Engineering, supply and finance use it to schedule redesigns, place orders and reserve funds. After its first use, revisit the failure rate assumptions, since they drive buy quantities more than any other input.