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COURSE BROCHURE

Oil and Gas Enterprise Risk and Integrated Assurance Training Course

2 – 6 August 2027
Singapore

Oil and Gas Enterprise Risk and Integrated Assurance Training Course

Ref: 2395_90044 **Date:** 2 – 6 August 2027 **Location:** Singapore **Fees:** 9300 GBP

Oil and Gas Enterprise Risk and Integrated Assurance is a 1-week training course for risk, internal audit and compliance professionals who must show leadership where risk sits and who checks it, with an integrated assurance map as the work product. Operators face volatile prices, major accident hazards and transition pressures at once, so fragmented assurance leaves blind spots and wasted effort. This course is delivered by Jupiter Prime Training.

Why Oil and Gas Enterprise Risk and Integrated Assurance Matters Now

Three forces shape enterprise risk in oil and gas today: boards and investors asking for one coherent view of principal risks, the energy transition reshaping portfolio and asset exposures, and leaner functions expected to deliver more assurance with fewer people. Linking appetite to tested controls and coordinated assurance surfaces out-of-tolerance exposures early; without it, functions duplicate effort while major hazards go unchecked. The course rests on enterprise risk management principles and the widely used lines-of-assurance model, described in general terms.

Who Gains Most from Oil and Gas Enterprise Risk and Integrated Assurance

- Professionals who maintain the corporate risk register with asset teams
- Internal auditors who plan risk-based audits and rate control deficiencies
- Compliance officers who monitor obligations and report breaches to senior committees
- Specialists who own process safety, HSE or operational risk reporting for producing assets
- Analysts who prepare risk and assurance papers for audit committees and boards

A group drawn from risk, audit and compliance in one organisation gains most, since all three must agree the map's ratings.

Oil and Gas Enterprise Risk and Integrated Assurance Capabilities

Participants show how each principal exposure is bounded by appetite, protected by tested controls and covered by a known source.

- Assess the principal risk universe of an oil and gas business — board risk agenda
- Design risk appetite statements and tolerance thresholds — capital and operating choices
- Test control design and operating effectiveness — reliance on key safeguards
- Grade the strength of each assurance source — audit committee comfort
- Build a combined coverage view that removes gaps and overlaps — audit planning
- Communicate residual risk in one consolidated report — executive and board decisions

Key Oil and Gas Enterprise Risk and Integrated Assurance Terms

- Risk appetite — the amount and type of risk an organisation is willing to pursue or retain in pursuit of its objectives.
- Tolerance threshold — the measurable limit beyond which a risk must be escalated.
- Key risk indicator — a metric that signals rising exposure before a loss or incident occurs.
- Operating effectiveness — evidence that a well-designed control has actually worked as intended over a defined period.
- Lines of assurance — the layers of oversight provided by management, specialist risk functions and independent internal audit.
- Integrated assurance — coordinating assurance providers so principal risks receive enough, but not duplicated, comfort.

Oil and Gas Enterprise Risk and Integrated Assurance Day by Day

Day 1: Risk Context Across the Hydrocarbon Value Chain

- Principal Risk Universe Mapping — Which Exposures Reach Board Agenda
- Upstream, Midstream and Downstream Risk Profiles — Where Exposures Concentrate
- Process Safety and Commodity Price Exposures — Linking Operational and Financial Risk
- Energy Transition and Decarbonisation Pressures — Emerging Risk Horizon Setting
- Stakeholder Expectation Analysis — Investor, Partner and Host Community Demands

Day 2: Risk Appetite and Tolerance Design

- Risk Appetite Statement Drafting — Boundaries for Capital and Operating Choices
- Tolerance Thresholds and Key Risk Indicators — Escalation Trigger Points
- Bow-Tie Analysis for Major Accident Hazards — Barrier Ownership Decisions
- Risk Scoring Matrices and Calibration — Consistent Ranking Across Business Units
- Appetite Cascade to Assets and Projects — Local Decision Authority Limits

Day 3: Controls and Control Testing

- Key Control Identification — Separating Critical From Supporting Safeguards
- Control Design and Operating Effectiveness Testing — Reliance Decisions
- Sampling Approaches and Test Scripts — Evidence Sufficiency Judgements
- Control Deficiency Rating — Remediation Priority and Owner Accountability
- Joint Venture and Contractor Controls — Assurance Over Non-Operated Assets

Day 4: Lines of Assurance and Coverage

- Assurance Provider Inventory — Management, Risk Functions, Internal Audit and External
- Coverage Gap and Overlap Analysis — Redirecting Duplicated Assurance Effort
- Assurance Strength Grading — How Much Comfort Each Source Provides
- Combined Assurance Planning Cycle — Aligning Audit and Risk Function Calendars
- Board and Audit Committee Reporting — Single View of Residual Risk

Day 5: Practising the Integrated Assurance Map

- Applying the Risk Universe to a Case Asset — Selecting Map Rows
- Applying Appetite Thresholds to Map Ratings — Flagging Out-of-Tolerance Risks
- Applying Control Test Results — Evidence Columns and Reliance Levels
- Peer Challenge of Draft Maps — Testing Assumptions and Coverage Claims
- Integrated Assurance Map Completion — Prioritised Assurance Plan for Leadership

Applying Oil and Gas Enterprise Risk and Integrated Assurance After the Course

- Run a calibration session with asset risk owners to test the appetite thresholds and key risk indicators against current exposures
- Draft a coverage inventory for the top ten principal risks and agree assurance strength ratings with internal audit

Oil and Gas Enterprise Risk and Integrated Assurance Questions FAQ

What is Oil and Gas Enterprise Risk and Integrated Assurance and why does it matter now?

It links principal risks, appetite limits, tested controls and assurance providers in one view. It matters now because boards want fewer surprises while functions face tighter resources.

Which roles gain most from Oil and Gas Enterprise Risk and Integrated Assurance?

Risk register owners, internal auditors, compliance officers and HSE risk specialists gain most.

How does Oil and Gas Enterprise Risk and Integrated Assurance differ from a compliance monitoring course?

It starts from risk appetite and principal exposures rather than from obligations. A compliance monitoring course tracks rules and breaches; this one tests controls and coordinates every assurance source around the risks that threaten objectives.

What do you bring back from Oil and Gas Enterprise Risk and Integrated Assurance?

You bring back a draft coverage map for a case asset, appetite templates, control test scripts and an assurance strength scale.

Oil and Gas Enterprise Risk and Integrated Assurance: The Way Forward

The integrated assurance map first informs which principal risks need more independent testing in the coming audit plan. Risk leaders, audit heads and audit committee members use it to agree who covers what. After its first use, revisit the assurance strength grades as control test results arrive, so the map reflects evidence rather than expectation.