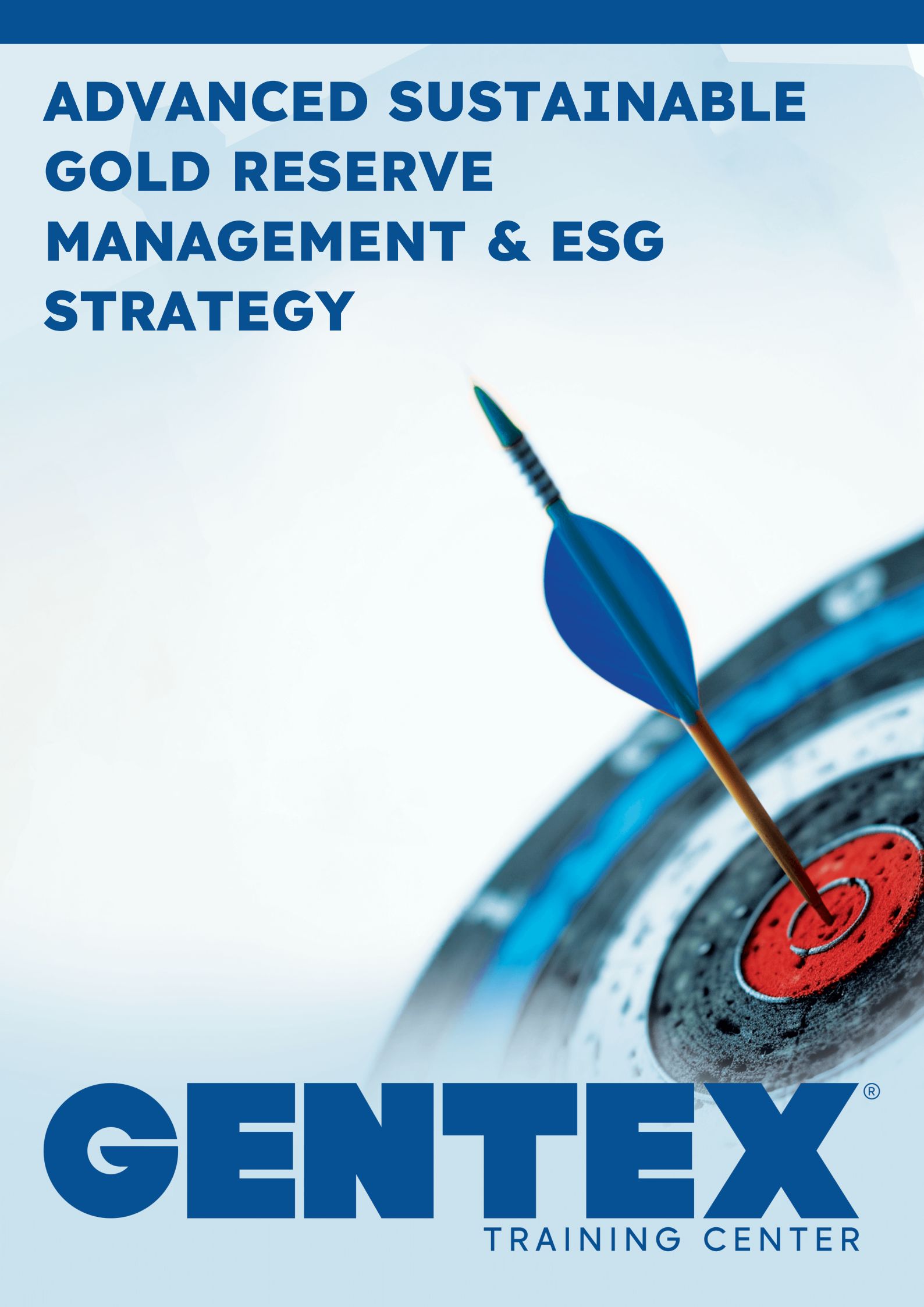
ADVANCED SUSTAINABLE GOLD RESERVE MANAGEMENT & ESG STRATEGY



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Introduction

Advanced Sustainable Gold Reserve Management & ESG Strategy examines how gold mining and sovereign reserve holders govern mineral assets against environmental, social, and governance expectations. This Training Course covers reserve classification, resource estimation standards, ESG frameworks, and responsible sourcing. Participants study the JORC Code, NI 43-101, the LBMA Responsible Gold Guidance, the OECD Due Diligence Guidance, and the World Gold Council's Responsible Gold Mining Principles. Furthermore, the programme connects reserve reporting to ESG assurance through estimation labs, due diligence exercises, and disclosure workshops. As a result, delegates leave able to manage gold reserves credibly and report them to investors and regulators.

Advanced Sustainable Gold Reserve Management & ESG Strategy Course Objectives

- Define gold reserve and resource classification standards.
- Apply the JORC Code and NI 43-101 reporting requirements.
- Distinguish measured, indicated, and inferred resource categories.
- Assess reserve estimation, cut-off grade, and modifying factors.
- Apply the LBMA Responsible Gold Guidance and OECD due diligence.
- Interpret the Responsible Gold Mining Principles and ESG metrics.
- Manage artisanal and small-scale mining (ASM) risk exposure.
- Build ESG reporting aligned with GRI, SASB, and TCFD.
- Design stakeholder engagement and community agreements.
- Govern reserve audits, assurance, and disclosure controls.

Course Methodology

- Interactive workshops using real reserve statements and ESG reports.

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- Resource and reserve classification exercises.
- Due diligence and supply chain mapping labs.
- ESG disclosure and assurance simulation.
- Stakeholder engagement and community agreement workshops.
- Action planning that converts each session into a workplace commitment.

Who Should Take This Course

- Mining executives and reserve managers.
- Geologists, mining engineers, and resource estimators.
- Sustainability and ESG officers in mining.
- Compliance and assurance professionals.
- Investors, analysts, and sovereign fund staff.
- Legal counsel on mining and environmental law.
- Supply chain and responsible sourcing officers.

Advanced Sustainable Gold Reserve Management & ESG Strategy Course Outlines

Day 1: Gold Reserve and Resource Foundations

- Defining mineral resources, reserves, and their differences.
- The JORC Code: principles and reporting requirements.
- NI 43-101 standards of disclosure for mineral projects.
- Resource classification: measured, indicated, and inferred.
- Competent person and qualified person responsibilities.
- Cut-off grade determination and modifying factors.

- Reserve statement structure and audit controls.

Day 2: Reserve Estimation and Governance

- Geological modelling and grade estimation methods.
- Sampling, assay quality assurance, and quality control.
- Pit optimisation and mine design constraints.
- Reconciliation between model, plan, and production.
- Reserve review cycles and depletion accounting.
- Sovereign reserve governance and custody models.
- Internal control and external assurance practice.

Day 3: ESG Frameworks and Responsible Sourcing

- The World Gold Council Responsible Gold Mining Principles.
- LBMA Responsible Gold Guidance and Good Delivery standards.
- OECD Due Diligence Guidance for responsible mineral supply chains.
- Conflict minerals, sanctions, and refiner screening.
- Artisanal and small-scale mining (ASM) engagement and formalisation.
- Traceability, chain of custody, and chain-of-custody audits.
- Mercury, cyanide, and tailings management standards.

Day 4: Environmental, Social, and Climate Performance

- Environmental impact assessment and closure planning.
- Water stewardship, biodiversity, and land rehabilitation.
- Tailings storage facility governance (GISTM principles).
- Health, safety, and community health programmes.

- Human rights due diligence and grievance mechanisms.
- Climate risk, emissions accounting, and decarbonisation.
- Social licence, local content, and community agreements.

Day 5: Reporting, Assurance, and Strategy Integration

- ESG reporting frameworks: GRI, SASB, TCFD, and ISSB.
- Sustainability report structure and metrics selection.
- Assurance readiness and evidence management.
- Investor engagement and ESG rating responses.
- Green and sustainability-linked finance considerations.
- Integrating ESG into reserve strategy and capital allocation.
- Personal action plan and continuous improvement.

Conclusion

By successfully completing Advanced Sustainable Gold Reserve Management & ESG Strategy, participants will have acquired a practical command of reserve classification, estimation governance, responsible sourcing due diligence, ESG performance management, and sustainability reporting. They will know how to report reserves to JORC and NI 43-101 standards, run due diligence aligned with the OECD and LBMA guidance, and present ESG performance credibly to investors and regulators. In addition, the course prepares delegates to manage climate, tailings, and community risk together. As a result, they return to work ready to govern gold reserves sustainably and report on them with confidence. Gentex Training Center delivers this Training Course with a practical, standards-based approach.

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FAQs for the Advanced Sustainable Gold Reserve Management & ESG Strategy course

Q1 What is the "Advanced Sustainable Gold Reserve Management & ESG Strategy" course about?

It is a five-day programme that explains how gold reserves are classified, estimated, and reported, and how ESG expectations are integrated into reserve strategy. It covers JORC and NI 43-101, reserve estimation and governance, responsible sourcing due diligence, environmental and social performance, and sustainability reporting.

Q2 What are the key benefits of the "Advanced Sustainable Gold Reserve Management & ESG Strategy" course?

Participants gain the ability to classify and report reserves to recognised standards, run supply chain due diligence that satisfies refiners and regulators, and present ESG performance with evidence investors accept. They also learn to manage tailings, climate, and community risk as part of reserve strategy rather than as separate compliance tasks.

Q3 What skills will I gain from the "Advanced Sustainable Gold Reserve Management & ESG Strategy" course?

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Reserve and resource classification with JORC and NI 43-101 application, reserve estimation governance with cut-off grade and reconciliation analysis, responsible sourcing due diligence with OECD and LBMA alignment, and ESG performance management with disclosure and assurance readiness.

Q4 What tools, methods, or standards are covered in the "Advanced Sustainable Gold Reserve Management & ESG Strategy" course?

The course covers the JORC Code principles and reporting requirements, NI 43-101 standards of disclosure, measured, indicated and inferred resource classification, competent person and qualified person responsibilities, cut-off grade determination and modifying factor analysis, reserve statement structure and audit controls, geological modelling and grade estimation methods, sampling and assay quality assurance and quality control, pit optimisation and mine design constraints, reconciliation between model, plan and production, reserve review cycles and depletion accounting, sovereign reserve governance and custody models, internal control and external assurance practice, the World Gold Council Responsible Gold Mining Principles, LBMA Responsible Gold Guidance and Good Delivery standards, OECD Due Diligence Guidance for responsible mineral supply chains, conflict minerals and sanctions screening, refiner screening procedures, artisanal and small-scale mining engagement and formalisation, traceability and chain-of-custody audits, mercury, cyanide and tailings management standards, environmental impact assessment and closure planning, water stewardship, biodiversity and land rehabilitation, the Global Industry Standard on Tailings Management, health, safety and community health programme design, human rights due diligence and grievance mechanisms, climate risk and emissions accounting, social licence and community agreement practice, GRI, SASB, TCFD and ISSB reporting frameworks, sustainability report structure and metrics selection, assurance readiness and evidence management, investor engagement and ESG rating response methods, and sustainability-linked finance considerations.

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Q5 How is the "Advanced Sustainable Gold Reserve Management & ESG Strategy" course applied in real-world practice?

Delegates apply it through reserve statements, resource models, reconciliation reports, cut-off grade analyses, due diligence files, chain-of-custody records, refiner screening logs, ASM engagement plans, environmental impact assessments, tailings governance reports, community agreements, emissions inventories, sustainability reports, assurance packs, ESG data books, investor presentations, and disclosure control files. They also use it to brief boards, regulators, refiners, and investors on reserve integrity and ESG performance.