



Consulting and Training | Reach New Heights

Course Name

Inspection & Corrosion Process for Internal Auditors

Sector Name

Audit, Risk and Governance

Document Type

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Inspection & Corrosion Process for Internal Auditors

Course Introduction

Inspection and corrosion management processes play a critical role in asset integrity, safety, reliability, and regulatory compliance, particularly in asset-intensive industries such as oil and gas, utilities, manufacturing, and infrastructure. Failures in these processes can lead to serious safety incidents, unplanned downtime, environmental damage, and significant financial loss.

The Inspection & Corrosion Process for Internal Auditors course is designed for internal auditors who are required to audit technical functions without necessarily having an engineering background.

Within **BOOST**, this program focuses on helping auditors understand inspection and corrosion processes from a risk, control, and governance perspective, rather than a purely technical one.

The course emphasizes what internal auditors need to know in order to ask the right questions, assess the adequacy of controls, and evaluate whether inspection and corrosion management processes are designed and operating effectively. Participants will explore common corrosion mechanisms, inspection planning concepts, regulatory expectations, and how weaknesses in these areas translate into organizational risk.

By the end of the course, participants will be better equipped to audit inspection and corrosion processes confidently, identify key risk areas, and provide meaningful assurance to management and audit committees.

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Inspection & Corrosion Process for Internal Auditors

Target Audience

- ✓ Internal auditors and senior internal auditors
- ✓ Audit supervisors and audit managers
- ✓ Risk management and compliance professionals
- ✓ Governance and internal control staff
- ✓ HSE and integrity assurance professionals
- ✓ Non-technical auditors auditing technical functions
- ✓ Public and private sector auditors in asset-intensive organizations

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Inspection & Corrosion Process for Internal Auditors

Learning Objectives

- Understand the purpose and importance of inspection and corrosion processes
- Recognize key corrosion risks and inspection activities
- Identify common control weaknesses in inspection and corrosion management
- Understand roles and responsibilities within inspection and integrity functions
- Apply a risk-based approach to auditing inspection and corrosion processes
- Evaluate compliance with policies, procedures, and regulatory requirements
- Ask effective audit questions in technical environments
- Communicate audit observations clearly to technical and non-technical stakeholders

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Inspection & Corrosion Process for Internal Auditors

Course Outline

✓ DAY 1

Overview of Inspection and Corrosion Management

- ✓ Why inspection and corrosion management matter to organizations
- ✓ Asset integrity and its link to safety, reliability, and compliance
- ✓ Basic concepts of corrosion and degradation
- ✓ Types of inspection activities and programs
- ✓ Regulatory and industry expectations
- ✓ Role of internal audit in asset integrity assurance

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Course Outline

✓ DAY 2

Corrosion Risks and Control Environment

- ✓ Common corrosion mechanisms and risk factors
- ✓ Corrosion risk assessment concepts
- ✓ Corrosion management strategies and plans
- ✓ Policies, procedures, and standards governing corrosion control
- ✓ Roles and responsibilities in corrosion management
- ✓ Typical gaps and failures in corrosion control

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Course Outline

✓ DAY 3

Inspection Planning and Execution

- ✓ Purpose of inspection programs
- ✓ Risk-based inspection (RBI) concepts
- ✓ Inspection planning, scheduling, and scope
- ✓ Use of inspection data and reports
- ✓ Managing inspection backlogs and overdue activities
- ✓ Control weaknesses related to inspection execution

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Course Outline

✓ DAY 4

Auditing Inspection and Corrosion Processes

- Audit planning for technical processes
- Key risks and audit focus areas
- Evaluating governance, controls, and documentation
- Reviewing inspection and corrosion records
- Assessing compliance with internal and external requirements
- Communicating findings in a technical audit context

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Course Outline

✓ DAY 5

Applying Audit Insights and Improving Assurance

- ✓ Interpreting inspection and corrosion issues from an audit perspective
- ✓ Linking technical weaknesses to business risk
- ✓ Developing practical audit observations and recommendations
- ✓ Engaging effectively with engineers and technical staff
- ✓ Following up on corrective actions
- ✓ Reflecting on current audit practices

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 5, 2027	April 9, 2027	5 days	4950.00 \$	Netherlands , Amsterdam
June 8, 2026	June 12, 2026	5 days	4250.00 \$	UAE , Abu Dhabi
Sept. 7, 2026	Sept. 11, 2026	5 days	4250.00 \$	UAE , Abu Dhabi
Dec. 7, 2026	Dec. 11, 2026	5 days	4250.00 \$	UAE , Dubai

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