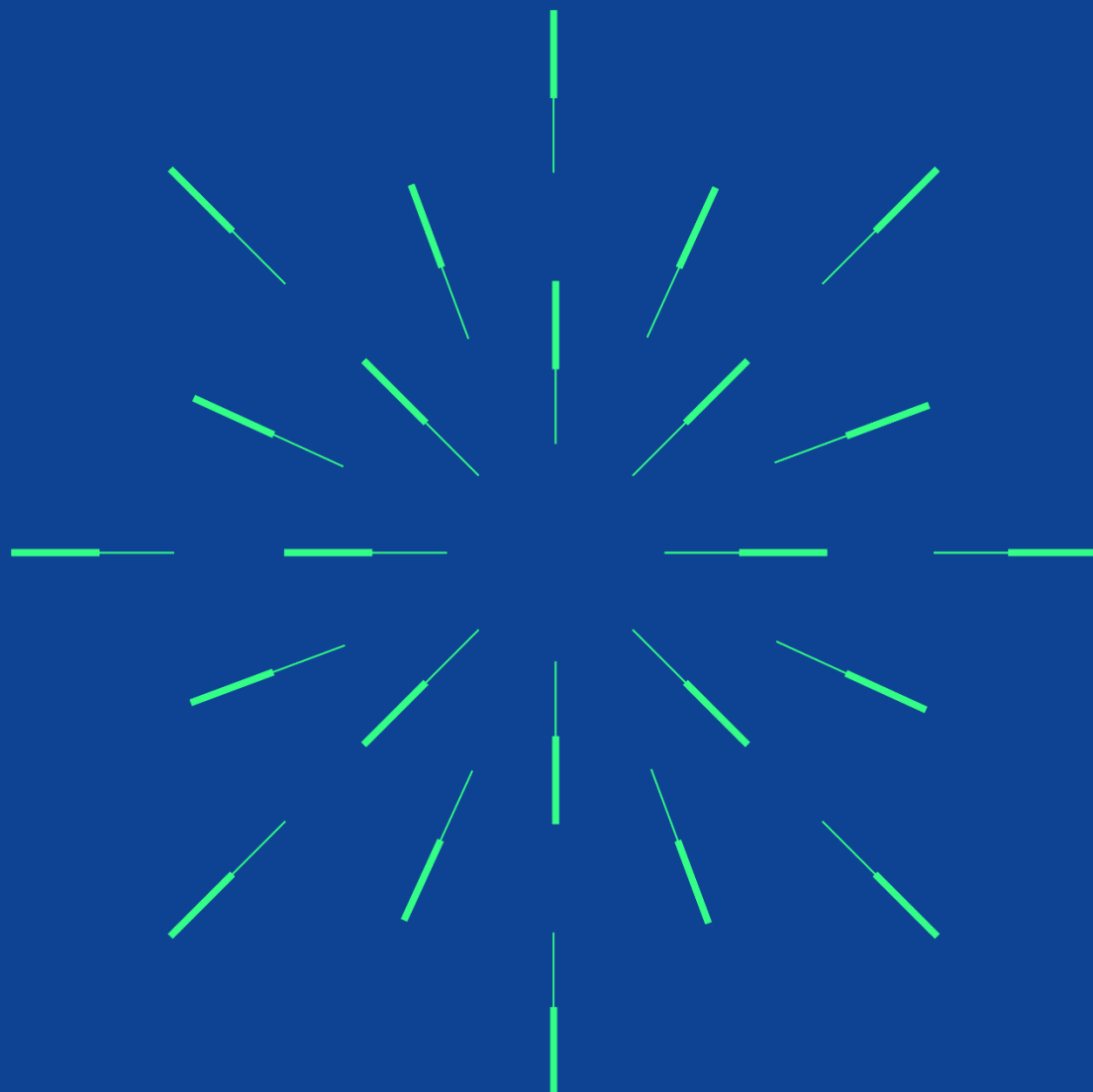


# AlisQI - ERP Integration Workshop



# Purpose of the workshop

The goal of this workshop is to align business, quality, IT, and operations stakeholders on:

- What data should flow between ERP and AlisQI
- Why each integration flow delivers business value
- How responsibilities are split between ERP, AlisQI, and the integration layer
- How to design a scalable, low-risk integration architecture

The outcome should be a **clear, agreed integration scope and design**, ready for functional specification and technical implementation.

## Workshop Preparation (Pre-Work)

Before the workshop, ensure the following are prepared:

### Stakeholders

All stakeholders are identified and informed:

- Business / Operations lead
- Quality lead
- ERP owner or functional consultant
- IT / Integration architect
- AlisQI implementation consultant

### Inputs

All base information is available:

- Overview of current ERP landscape (ERP system, version, key modules)
- High-level overview of current quality processes
- Known pain points (manual work, firefighting, audit issues)
- Integration platform preference (if any)

# Business Objectives & Value Alignment

**Objective:** Anchor the integration in business value, not just data exchange.

## Key Questions

- What operational problems are we trying to solve?
  - Firefighting?
  - Late detection of quality issues?
  - Audit stress?
  - Manual reporting?
- Which outcomes matter most?
  - Stable throughput?
  - Faster batch release?
  - Reduced cost of poor quality?
  - Predictable audit readiness?

✓ **Output:** Clear business goals and success criteria for the integration.

# System Roles & Responsibilities

**Objective:** Prevent overlap, duplication, or unclear ownership.

## ERP Responsibilities

Discuss and confirm:

- Which master data is owned and maintained in ERP?
- Which transactional events should originate in ERP?
- Which quality outcomes does ERP need to consume?

## AlisQI Responsibilities

Discuss and confirm:

- Which quality workflows live entirely in AlisQI?
- Which decisions (accept/reject/block) must be owned by quality?
- Which data must be audit-proof and immutable?

## Integration Layer Responsibilities

Discuss and confirm:

- Where should mapping, validation, and transformations live?
- How are errors handled and escalated?
- Who monitors integration health?

✓ **Output:** Agreed responsibility model (ERP vs AlisQI vs middleware).

# Scope Definition – Entities & Processes

**Objective:** Define *what* is in scope—and what is not.

## Master Data

Review and decide:

- Items / materials
- Suppliers
- Customers
- Units of measure
- Other reference data (locations, machines, lines)

For each:

- Source system (usually ERP)
- Sync direction
- Sync frequency

## Transactional Data

Review and decide:

- Purchase orders
- Production orders
- Work orders
- Batches / lots

For each:

- Trigger event (creation, release, status change)
- Required data fields
- Business reason for integration (what value does it unlock?)

✓ **Output:** A clearly scoped list of entities and processes.

## Quality Workflows & Outcomes

**Objective:** Translate ERP events into controlled execution.

### Quality Triggers

For each ERP event, define:

- Which quality workflow should start?
- Which inspection plan or rule applies?
- At what moment must quality intervene?

### Quality Outcomes

For each quality process, define:

- Which outcomes must be sent back to ERP?
- At what level of detail (status only vs. results)?
- What should ERP do with this information?

Examples:

- Block inventory?
- Prevent shipment?
- Trigger follow-up actions?

✓ **Output:** Clear mapping from ERP events → quality workflows → ERP outcomes.

## Data Mapping & Identification

**Objective:** Ensure traceability and avoid duplication.

### Identification Strategy

Define primary keys for:

- Items
- Orders
- Batches / lots
- Inspections (if needed)

### Mapping Principles

Discuss:

- Field-level mapping ownership
- Value translations (statuses, codes)
- Handling of optional vs. mandatory fields

✓ **Output:** Agreed identification and mapping principles (basis for detailed mapping document).

# Synchronization Patterns & Timing

**Objective:** Balance real-time control with robustness.

## Discuss for Each Flow

- Should this be event-driven or scheduled?
- Is real-time required, or is near-real-time sufficient?
- What happens if synchronization fails?

## Error Handling

Define:

- Retry behavior
- Notification and escalation
- Manual intervention scenarios

✓ **Output:** Defined sync patterns and reliability expectations.

# Integration Architecture & Platform Fit

**Objective:** Design a future-proof, platform-agnostic solution.

## Middleware Choice

Discuss:

- Existing integration platforms (e.g. Power Automate, Workato, Seeburger)
- IT standards or preferences
- Skills and support model

## Architecture Principles

Confirm:

- Loose coupling between ERP and AlisQI
- Centralized orchestration and governance
- Secure, auditable communication

✓ **Output:** High-level architecture agreement.

## Security, Compliance & Governance

**Objective:** Make compliance effortless and built-in.

### Topics to Cover

- Authentication mechanisms
- Credential ownership and storage
- Audit logging and traceability
- Regulatory constraints (if applicable)

✓ **Output:** Security and compliance requirements captured.

## Phasing & Roadmap

**Objective:** Enable fast value with controlled expansion.

### Phasing Discussion

- Which integration flows go live first?
- Which solvers or quality areas deliver fastest ROI?
- What is the adoption and rollout strategy?



## Success Metrics

Define:

- Operational KPIs
- Quality KPIs
- Adoption and usage indicators

✓ **Output:** Phased roadmap with success criteria.

## Workshop Outputs & Next Steps

### Workshop Outputs

By the end of the workshop, the customer should have:

- A clearly defined ERP–AlisQI integration scope
- Agreed system responsibilities
- A value-driven integration design
- A phased implementation roadmap

### Next steps typically include:

- Detailed field-mapping specification
- Middleware flow design
- Test and validation plan
- Pilot or staging rollout



# Discuss your case?

Do you want to discuss your case with one of our experts? Please contact us and we will schedule a call to discuss KPIs for your business

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