

LETA ADVISORY / FREE TRAINING RESOURCE

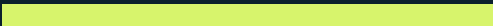
Integrated ISO Systems for Manufacturing

High-level training pack for UAE factories, workshops and industrial operations

RELEVANT FRAMEWORKS	DESIGNED FOR
ISO 9001 ISO 14001 ISO 45001	Plant leadership, production, maintenance, quality, HSE, engineering, stores and procurement

CONSULTANCY AND TRAINING SUPPORT ONLY

LETA does not issue ISO certificates. An independent certification body conducts certification audits and makes certificate decisions.



01 Learning purpose

Use this pack for a 45-60 minute management or team discussion. It explains management-system thinking through familiar operational situations. It does not reproduce ISO clauses, replace the authorised standard, provide legal advice or determine conformity.

Learning objectives

- + Connect process controls to product conformity and delivery performance.
- + Treat environmental and safety controls as part of normal production planning.
- + Use maintenance, calibration and competence evidence to prevent failure.
- + Turn defect, incident and downtime data into prioritised improvement.

Industry scenario

A metal-products manufacturer has rising rework and unplanned downtime. Operators use local settings, maintenance is largely reactive, scrap data is recorded by weight but not cause, and near-miss actions compete with production priorities.

The management-system lens

For each operational risk, ask five questions: What result is required? What could prevent it? What control is proportionate? Who owns the control? What evidence shows it worked?

02 Follow the work, not the paperwork

A practical system follows the actual flow of work. Use the sequence below to identify hand-offs, decision points and evidence rather than creating separate procedures for every department.

STAGE	CONTROL QUESTION
Order review	What must be confirmed, controlled, recorded and escalated here?
Planning	What must be confirmed, controlled, recorded and escalated here?
Material receipt	What must be confirmed, controlled, recorded and escalated here?
Production setup	What must be confirmed, controlled, recorded and escalated here?
In-process control	What must be confirmed, controlled, recorded and escalated here?
Final release	What must be confirmed, controlled, recorded and escalated here?
Performance review	What must be confirmed, controlled, recorded and escalated here?

Example risk and evidence map

AREA	POTENTIAL FAILURE	PRACTICAL EVIDENCE
Quality	Incorrect setup produces repeated defects	Approved parameters, first-piece check and change control
Environment	Scrap and energy loss are not analysed	Metering/measurement, cause coding, targets and review
OH&S	Guard or isolation control is bypassed	Engineering control, LOTO, competence and supervision
Reliability	Critical equipment fails without warning	Criticality, preventive maintenance and condition evidence

03 Facilitated team exercise

Select one production line. Build a single control plan showing the product requirement, environmental aspect, safety hazard, control owner, monitoring method and escalation point.

Use this worksheet

PROCESS STAGE	RISK / FAILURE	CONTROL	OWNER	EVIDENCE

Discussion prompts

- + Which control depends on one person or an informal message?
- + Where could outdated information be used?
- + Which evidence is created naturally through the work?
- + What should trigger an NCR, escalation or management decision?
- + Which control can be simplified without increasing risk?

04 Knowledge check and action plan

#	QUESTION	FACILITATOR ANSWER
1	What is the value of a first-piece check?	It confirms setup before a full batch creates larger quality or resource losses.
2	Should every machine receive identical maintenance?	No. Frequency and method should reflect criticality, failure modes and evidence.
3	Can one action system track defects, incidents and environmental issues?	Yes, if categories, responsibilities and evaluation remain clear.

30-day action plan

ACTION	OWNER	DUE	SUCCESS EVIDENCE

Next step

Use the completed exercise to brief management, focus a gap analysis or define an implementation workshop. LETA can review the result online or on site and help translate it into minimum-effective documentation, internal audit and Automated NCR follow-up.

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