DEMONSTRATION SAMPLE - FICTIONAL INFORMATION - NOT A CLIENT REPORT

ASSESSMENT ARCHITECTURE

How the assessment is structured and controlled

This annex explains the method behind the management report and preserves the detailed evidence trail.

REPORT IDENTITY

REPORT NUMBER

PT-MHA-DEMO-001

CLIENT

Demonstration Food Processing Facility

LOCATION

Uganda

ASSESSMENT DATE

Demonstration sample

PREPARED BY

Profilio Technologies

OVERALL RESULT

48/100 - Reactive / Weak Control

ASSESSMENT SCOPE

Machinery condition, maintenance controls, spares, records, safety observations and CMMS readiness.

EVIDENCE SOURCES

Visual inspection, available maintenance records, operator and maintenance interviews, asset identity, selected readings and supporting photographs.

SCORING MODEL

Assessment area	Weight	Mark	Evidence standard
Machinery condition	20%	3/5	Several assets remain serviceable, but three defects require controlled follow-up.
Preventive maintenance	15%	2/5	Tasks exist but often lack readings, limits, evidence and escalation rules.
Breakdown control	10%	3/5	Failures are recorded, but causes and actions are not consistently closed.
Asset register	10%	2.5/5	Asset names, codes, locations and parent systems are not fully standardised.
Critical spares	10%	2.5/5	Compatibility and reorder decisions are not tied to asset criticality.
Work-order control	10%	1.5/5	Requests, approvals and completion evidence are scattered across channels.
Safety and isolation	10%	3.25/5	General controls exist, but the guard finding requires immediate correction.
Management reporting	5%	1.75/5	Backlog, repeat failures, downtime and risk are not reviewed together.
CMMS readiness	10%	1.75/5	Data and workflow foundations should be verified before a software rollout.

ASSESSMENT LIMITATIONS

The assessment is non-destructive unless separately agreed. Hidden defects, statutory certification, specialist electrical testing, vibration analysis, oil analysis, pressure testing and repair verification remain subject to written scope and access.

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DETAILED FINDINGS

Priority findings F-01 to F-04

Each finding is linked to an owner, response period and closure requirement.

ID / Priority	Asset	Finding	Impact	Required control	Owner / Due
F-01 Critical	**Conveyor drive guard**	Guard fasteners are loose and the guard can move toward the rotating drive.	Possible personnel exposure and uncontrolled production interruption.	Restrict access, isolate for repair, restore secure fixing and verify before release.	**Maintenance Supervisor** 0-24 h
F-02 High	**Dryer circulation fan**	Bearing housing temperature is rising and no recent vibration record is available.	Progressive bearing damage may escalate to fan failure and secondary damage.	Inspect lubrication and alignment, take vibration readings and establish a trend.	**Mechanical Lead** 2-7 d
F-03 High	**Process-water pump**	Mechanical-seal leakage is active and temporary containment is in use.	Leakage may worsen, damage components and interrupt process water.	Plan seal replacement; inspect shaft sleeve, alignment and required spares.	**Mechanical Lead** 2-7 d
F-04 Medium	**Selected PM tasks**	Checklists use generic instructions without measurable limits or escalation criteria.	Work may be completed without proving machine condition or controlling deterioration.	Rewrite pilot tasks around readings, limits, evidence and supervisor review.	**Maintenance Supervisor** Week 2

MINIMUM CLOSURE EVIDENCE

Finding	Verification focus	Minimum closure evidence
F-01	**Guard security and safe release**	Photograph of secure fixing, isolation or work record, supervisor verification and authorised return to service.
F-02	**Bearing condition and trend**	Temperature and vibration readings, lubrication and alignment inspection, trend sheet and agreed intervention limit.
F-03	**Leak source and repair scope**	Inspection record, seal and sleeve specification, parts list, repair evidence and post-repair leak check.
F-04	**Measurable PM standard**	Approved PM task with readings, limits, evidence fields, escalation rule and supervisor sign-off.

CLOSURE REQUIREMENT

A finding closes only after the agreed action is completed, the evidence is recorded, the responsible person verifies the result and any residual risk or follow-up work is documented.

DETAILED FINDINGS

Priority findings F-05 to F-08 and evidence references

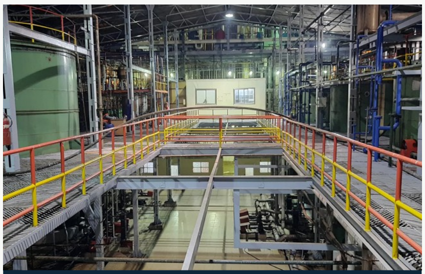
System-control findings remain actionable and auditable.

ID / Priority	Asset	Finding	Impact	Required control	Owner / Due
F-05 Medium	Critical spares	Spare descriptions and reorder decisions are not consistently linked to verified assets.	Incorrect or unavailable parts may extend breakdown duration.	Create an asset-linked critical-spares list with compatibility and reorder fields.	Stores + Maintenance Week 3
F-06 Medium	Breakdown records	Failure causes, corrective actions and verification are not always closed together.	Repeat failures may remain hidden and corrective work may be assumed complete.	Introduce a controlled defect-to-closure register with owner and evidence.	Maintenance Supervisor Week 2
F-07 Foundation	Asset register	Codes, locations, parent systems and criticality are inconsistent.	PM, spares, cost and failure history cannot be reliably linked.	Verify one pilot production area and approve the asset hierarchy.	Maintenance + Production Week 3
F-08 Foundation	Management reporting	Downtime, backlog, repeat failures and open risk are reviewed separately or informally.	Management cannot prioritise resources using one reliable maintenance view.	Introduce a monthly review pack and recorded action decisions.	Plant Management Week 4

ILLUSTRATIVE EVIDENCE REGISTER

E-01 Product-transfer equipment / guarding context

E-02 Dryer circulation section / bearing-condition context



E-03 Utility and process area / location context

EVIDENCE-CONTROL RULE

Live reports use approved photographs, asset IDs, dates, locations, readings and evidence references. Illustrative images are never presented as verified client findings.

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ASSET-BY-ASSET DETAIL

Condition, maintenance support, spares and next action

Live assessments use verified asset identity and measured evidence.

Asset	System	Score	Status	PM	Spares	Recommended next action
Conveyor drive and guard	Product transfer	2/5	Poor	Partial	Unverified	Secure guard, inspect drive and confirm release.
Dryer circulation fan	Drying	2/5	Poor	Weak	Partial	Condition verification and monitored trend.
Process-water pump	Water utility	2/5	Poor	Partial	Partial	Seal repair scope, sleeve and alignment inspection.
Heat-exchange skid	Thermal utility	3/5	Fair	Partial	Unverified	Confirm cleaning, leak checks and operating limits.
Wash-line conveyor	Raw material handling	3/5	Fair	Partial	Partial	Verify belt tracking, bearings and guarding checklist.
Air compressor	Compressed air	3/5	Fair	Available	Partial	Add pressure, temperature and drain evidence.
Electrical control panel	Electrical control	4/5	Good	Available	Partial	Maintain inspection, cleaning and thermography plan.
Boiler / steam utility	Steam utility	3/5	Fair	Partial	Unverified	Verify statutory, water-treatment and safety records.

MINIMUM CONDITION-VERIFICATION RECORDS

Asset	Verification check	Required evidence
Dryer circulation fan	Bearing temperature, vibration and lubrication condition	Baseline readings and trend sheet
Process-water pump	Leak source, sleeve condition, alignment and seal specification	Inspection record and parts list
Conveyor drive	Guard security, drive condition and release check	Photograph and authorised release
Boiler / steam utility	Safety devices, water treatment and statutory records	Verified checklist and document references

CMMS READINESS AND HANDOVER

Gates, responsibilities and formal next decision

The annex closes with the controls required before a pilot or further engineering engagement.

PILOT ENTRY GATES

Gate	Status	Current gap	Action required before pilot
Asset identity	Not ready	Codes and parent systems are inconsistent.	Verify codes, locations and parent systems.
PM standards	Not ready	Tasks lack limits, readings and escalation.	Define readings, limits, evidence and escalation.
Work ownership	Partial	Foundation evidence is incomplete.	Approve request, execution, verification and review roles.
Defect closure	Not ready	Requests and closure evidence are scattered.	Use one defect-to-closure register.
Spare linkage	Partial	Parts are not consistently tied to assets.	Link critical spares to verified assets.
Management review	Not ready	Backlog, downtime and risk are not reviewed together.	Approve one monthly maintenance review pack.

RESPONSIBILITY AND ACKNOWLEDGEMENT

CLIENT MANAGEMENT

Approve access, priorities, owners, resources and risk decisions.

MAINTENANCE TEAM

Provide records, asset knowledge, site support and action evidence.

PROFILIO TECHNOLOGIES

Assess within agreed scope, document evidence, state limits and issue recommendations.

SPECIALISTS / CONTRACTORS

Undertake separately scoped specialist tests, repairs or statutory work.

RECOMMENDED NEXT PATH

Urgent controls to maintenance foundation pilot to client-branded CMMS pilot after readiness gates.

PREPARED BY / DATE

CLIENT ACKNOWLEDGEMENT / DATE

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