

Fielra

Executive Data Health Assessment

Facilities Management

PREPARED FOR

Your Organisation

13 August 2026

CONFIDENTIAL



2. Executive Summary

Overall Assessment

Overall, the assets dataset is in excellent condition and is suitable for reporting, AI and migration activities. One high-priority issue should be addressed before it is relied upon for business-critical decisions. Data Health scores 94%, with AI Readiness at 92% and Migration Readiness at 94%.

Ready For

✓ Reporting ✓ AI ✓ Migration

3. Assessment Overview

Assessment Pack	Facilities Management
Dataset Name	sample_asset_register.xlsx
Number of Records	338
Number of Columns	14
Assessment Duration	0.1 seconds
Assessment Methodology	Automated rule-based analysis against the Facilities Management Assessment Pack's configured field dictionary and business rules — no AI/LLM involved in scoring or findings.
Rules Applied	12 data quality rules
Assessment Confidence	98%

4. Overall Assessment Dashboard

94%

Overall Data Health



AI Ready

Excellent

Overall Rating



Migration Ready

98%

Confidence

1

High Priority Issue

TOP RISK

Decommissioned Asset Records Retention

Category Scores

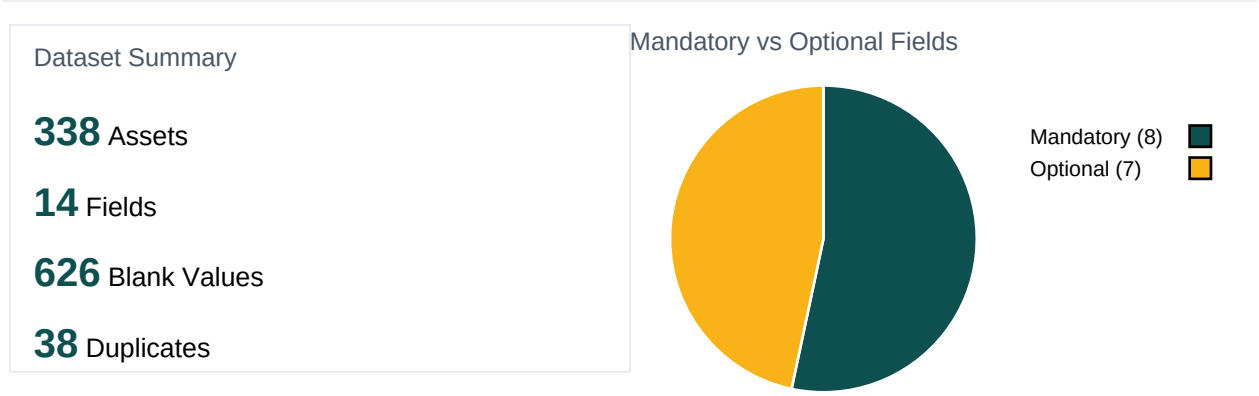
Completeness 83% ✓ Good Most mandatory fields are populated, with some gaps to close.	Consistency 97% ✓ Excellent Naming and formatting are applied consistently.	Validity 99% ✓ Excellent Dates and values pass validation with very few exceptions.
Uniqueness 96% ✓ Excellent Records are reliably unique.	Integrity 100% ✓ Excellent Relationships between records are intact.	

Data Quality Dimensions

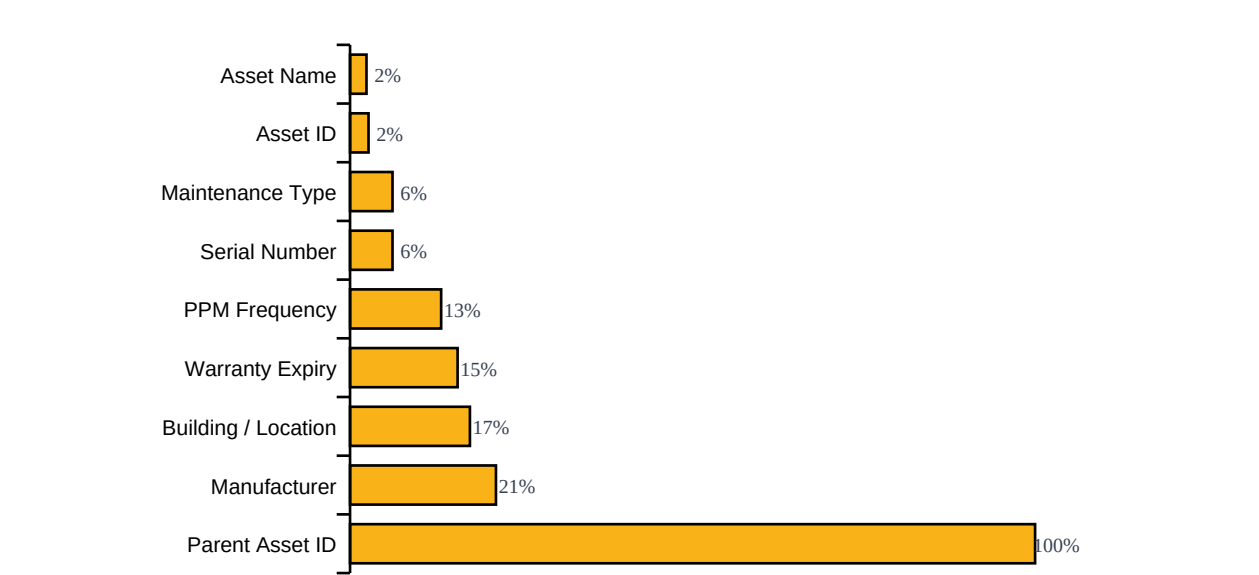


Most data quality issues are concentrated in Completeness (83%) rather than Integrity (100%) — indicating key business information is missing rather than wrong.

5. Data Profile



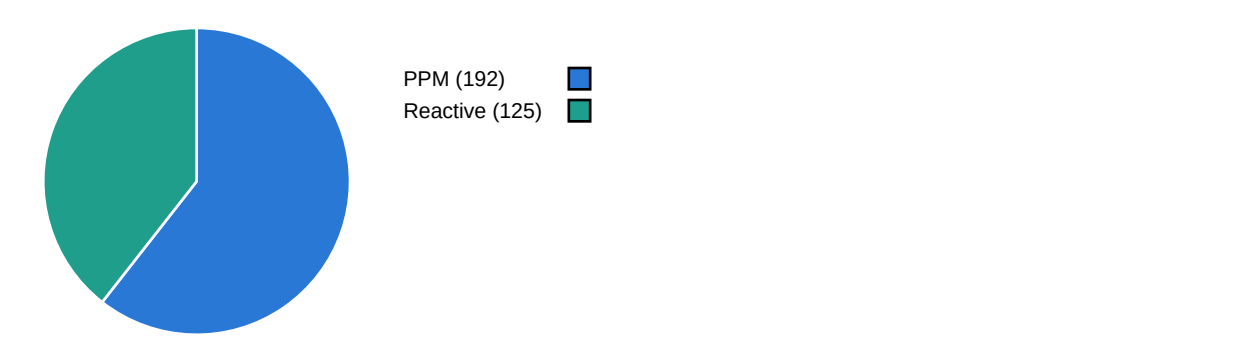
Top Missing Fields (% blank)



The full field-by-field profile is in Appendix I.

Reactive vs PPM Job Summary

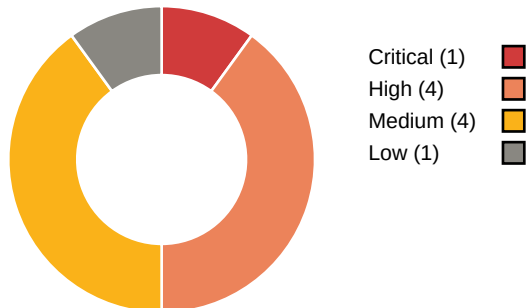
By Maintenance Type.



6. Data Quality Assessment

Issue Severity Summary

Distinct issue types found, by severity.



4 of the 10 issue types identified (40%) are High-severity, and warrant prompt attention.

Completeness — 83% (Good)

Most mandatory fields are populated, with some gaps to close.

7 issue types identified in this category.

Consistency — 97% (Excellent)

Naming and formatting are applied consistently.

1 issue type identified in this category.

Validity — 99% (Excellent)

Dates and values pass validation with very few exceptions.

1 issue type identified in this category.

Uniqueness — 96% (Excellent)

Records are reliably unique.

1 issue type identified in this category.

Integrity — 100% (Excellent)

Relationships between records are intact.

No issues identified in this category.

The complete list of findings by category, with counts and affected-record percentages, is in Appendix G.

7. Key Findings

Findings are ranked by business risk — a blend of how severe an issue type is considered and how many records it affects. Showing the top 5; the complete, ranked register of every finding is in Appendix H.

Priority	Issue	Affected Records	Business Risk
1	Decommissioned Asset Records Retention	33	High
2	Missing Manufacturer	72	Medium
3	Missing Building / Location	59	Medium
4	Missing PPM Frequency	45	Medium
5	Duplicate Assets	38	Medium

8. Business Impact Assessment

Every significant finding is explained in terms of the business risk it creates, not just the technical symptom.

Where Business Risk Concentrates

Affected records by severity and data quality category.

	Completeness	Consistency	Validity	Uniqueness	Integrity
Critical	9				
High	104		8	38	
Medium	101	36			
Low	53				

The largest concentration of business risk sits in High-severity Completeness issues (104 affected records), and should be the first area reviewed.

Decommissioned Asset Records Retention

● High

Decommissioned asset records kept well beyond a reasonable retention window add clutter and audit risk without an ongoing business purpose.

→ **Review decommissioned assets past the retention window and archive or dispose of their records per your data retention policy.**

Missing Manufacturer

● Medium

Missing manufacturer data limits warranty claims, parts sourcing and recall tracking.

→ **Complete manufacturer data, sourcing from nameplate photos or supplier records where needed.**

Missing Building / Location

● Medium

Assets without a building/location cannot be included in space, compliance or statutory inspection reporting.

→ **Standardise building names and complete the missing location for every asset.**

Missing PPM Frequency

● Medium

Assets without a planned maintenance schedule risk statutory non-compliance and unplanned failures.

→ **Assign a PPM frequency to every maintainable asset based on manufacturer guidance or statutory requirements.**

Duplicate Assets

● Medium

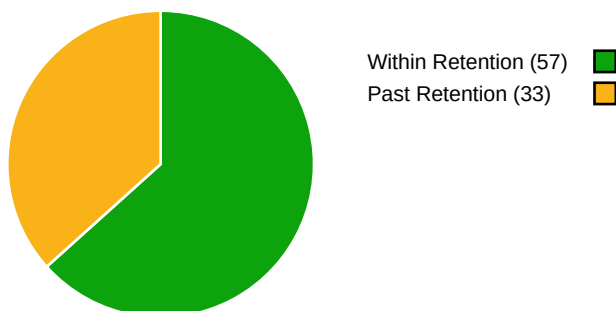
Duplicate records inflate asset counts, cause double-booked maintenance visits and distort compliance and cost reporting.

→ **Investigate and merge or remove duplicate asset records, keeping the most complete entry.**

6 further findings with full business-impact detail can be found in Appendix H.

9. Data Lifecycle & Retention

Decommissioned Asset Records Retention — measured from **Install Date**, a 10-year retention window, evaluated only for records already marked ended/inactive.



Reason	Records	Recommended Action	Business Justification
Records past the retention window	33 (36.7%)	Review for archival or disposal per policy	Measured from install date as a proxy for record age, since no decommission date is captured — review flagged records individually before disposal.

Important: this is a read-only screening report. Fielra does not modify, archive or delete any source data. All retained/archived/deleted decisions must be made by your organisation, in line with its own data retention policy, following manual review of the records identified above.

10. Data Improvement Opportunities

If the top 5 priority findings below were resolved, Overall Data Health could improve from **94%** to an estimated **99%** (+5 points).

Finding	Data Health Gain	Effort	Priority
Decommissioned Asset Records Retention	N/A	Medium	High
Missing Manufacturer	+1.3 pts	Low	Medium
Missing Building / Location	+1.3 pts	Medium	Medium
Missing PPM Frequency	+1.0 pts	Medium	Medium
Duplicate Assets	+0.6 pts	Medium	Medium
Naming Inconsistencies	+0.6 pts	Medium	Medium
Missing Warranty Expiry	+0.7 pts	Low	Low
Missing Serial Number	+0.4 pts	Low	Low
Missing Asset ID	+0.2 pts	Low	Low
Invalid Dates	+0.1 pts	Medium	Low
Missing Asset Name	+0.1 pts	Low	Low

11. Migration Readiness

Migration Readiness

94% **Excellent**

The dataset is ready to migrate with minimal risk.

Migration Validation

Missing Mandatory Field Values	Duplicate Keys	Broken References
267	38	0

Migration Risks

- 9 records have no unique identifier and cannot be matched during migration.
- 38 duplicate records risk being migrated as separate entities, inflating the target system's record count.
- 267 field values are missing across mandatory fields, which may be rejected by the target system's validation rules.

Transformation Requirements

- Standardise naming variants before load to avoid fragmenting records in the target system.
- De-duplicate records and agree a survivorship rule for which record wins when merging.
- Backfill mandatory fields or agree default values with the business prior to migration.

12. AI Readiness

AI Readiness

92% **Excellent**

The data is well-structured and ready to support AI and analytics initiatives.



AI readiness is primarily constrained by Completeness (83%) rather than Confidence (98%).

Recommended Improvements

- Complete manufacturer data, sourcing from nameplate photos or supplier records where needed.
- Standardise building names and complete the missing location for every asset.
- Assign a PPM frequency to every maintainable asset based on manufacturer guidance or statutory requirements.
- Standardise naming conventions and apply a controlled list for buildings and categories.
- Complete missing warranty dates from purchase orders or supplier portals.

13. Recommendations

1. Decommissioned Asset Records Retention [High priority, Medium effort]

Business Benefit: Decommissioned asset records kept well beyond a reasonable retention window add clutter and audit risk without an ongoing business purpose.

→ Review decommissioned assets past the retention window and archive or dispose of their records per your data retention policy.

2. Missing Manufacturer [Medium priority, Low effort, +1.3 pts]

Business Benefit: Missing manufacturer data limits warranty claims, parts sourcing and recall tracking.

→ Complete manufacturer data, sourcing from nameplate photos or supplier records where needed.

3. Missing Building / Location [Medium priority, Medium effort, +1.3 pts]

Business Benefit: Assets without a building/location cannot be included in space, compliance or statutory inspection reporting.

→ Standardise building names and complete the missing location for every asset.

4. Missing PPM Frequency [Medium priority, Medium effort, +1.0 pts]

Business Benefit: Assets without a planned maintenance schedule risk statutory non-compliance and unplanned failures.

→ Assign a PPM frequency to every maintainable asset based on manufacturer guidance or statutory requirements.

5. Duplicate Assets [Medium priority, Medium effort, +0.6 pts]

Business Benefit: Duplicate records inflate asset counts, cause double-booked maintenance visits and distort compliance and cost reporting.

→ Investigate and merge or remove duplicate asset records, keeping the most complete entry.

6. Naming Inconsistencies [Medium priority, Medium effort, +0.6 pts]

Business Benefit: Inconsistent spelling/casing of the same building or category fragments reports and undercounts true totals.

→ Standardise naming conventions and apply a controlled list for buildings and categories.

7. Missing Warranty Expiry [Low priority, Low effort, +0.7 pts]

Business Benefit: Without a warranty expiry date, assets risk being replaced at full cost when they were still covered.

→ Complete missing warranty dates from purchase orders or supplier portals.

8. Missing Serial Number [Low priority, Low effort, +0.4 pts]

Business Benefit: Assets without a serial number weaken warranty claims and make asset verification during audits unreliable.

→ Capture serial numbers during the next site walk or PPM visit.

9. Missing Asset ID [Low priority, Low effort, +0.2 pts]

Business Benefit: Assets without a unique identifier cannot be reliably tracked, migrated or reconciled with work order history.

→ Assign a unique asset ID to every record using a consistent numbering scheme.

10. Invalid Dates [Low priority, Medium effort, +0.1 pts]

Business Benefit: Invalid or impossible dates break lifecycle and depreciation reporting and cannot be trusted by downstream systems.

→ Correct invalid date entries and validate date formats at the point of entry going forward.

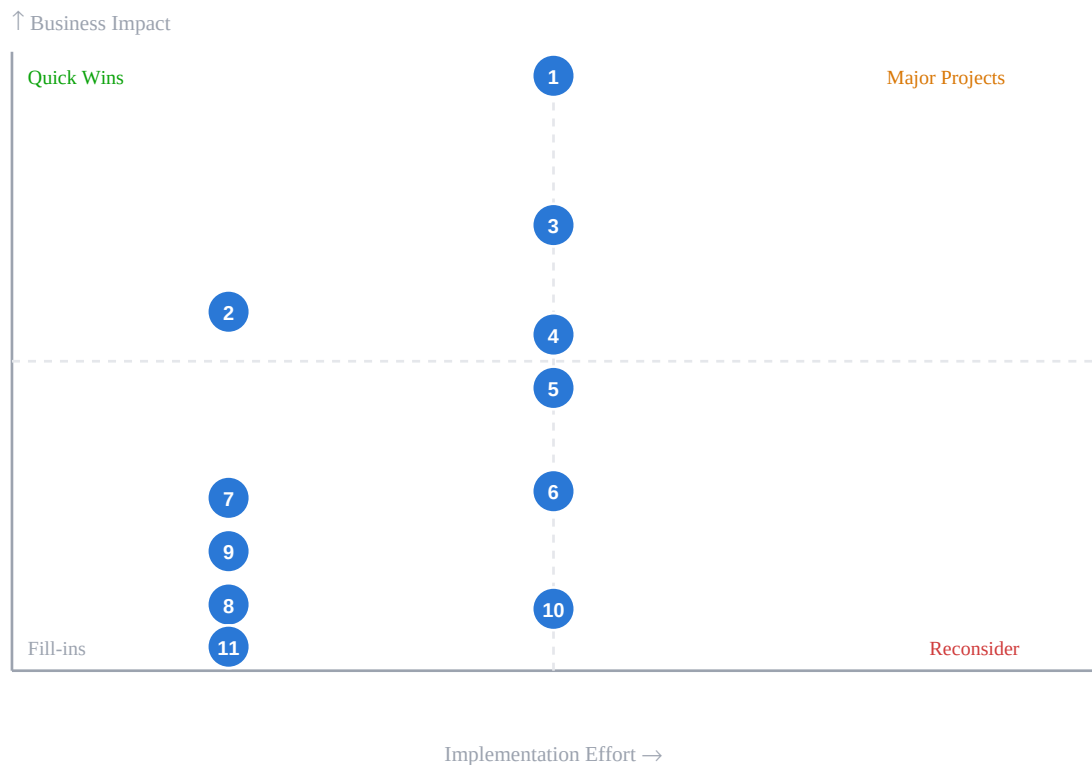
11. Missing Asset Name [Low priority, Low effort, +0.1 pts]

Business Benefit: Unnamed assets are hard to identify on site, slowing down technicians and audits.

→ Add a clear, descriptive name to every asset record.

14. Executive Priority Matrix

Recommendations plotted by business risk (severity and volume of affected records) against implementation effort — to help decide what to tackle first.



Legend

#	Finding
1	Decommissioned Asset Records Retention
2	Missing Manufacturer
3	Missing Building / Location
4	Missing PPM Frequency
5	Duplicate Assets
6	Naming Inconsistencies
7	Missing Warranty Expiry
8	Missing Serial Number
9	Missing Asset ID
10	Invalid Dates
11	Missing Asset Name

15. Action Plan

A starting point for your team to assign ownership and track delivery. Owner and Status are intentionally left blank for your organisation to complete.

Priority	Activity	Owner	Effort	Status
1	Review decommissioned assets past the retention window and archive or dispose of their records per your data retention policy.		Medium	
2	Complete manufacturer data, sourcing from nameplate photos or supplier records where needed.		Low	
3	Standardise building names and complete the missing location for every asset.		Medium	
4	Assign a PPM frequency to every maintainable asset based on manufacturer guidance or statutory requirements.		Medium	
5	Investigate and merge or remove duplicate asset records, keeping the most complete entry.		Medium	
6	Standardise naming conventions and apply a controlled list for buildings and categories.		Medium	

7	Complete missing warranty dates from purchase orders or supplier portals.		Low	
8	Capture serial numbers during the next site walk or PPM visit.		Low	
9	Assign a unique asset ID to every record using a consistent numbering scheme.		Low	
10	Correct invalid date entries and validate date formats at the point of entry going forward.		Medium	

16. Executive Conclusion

Overall Rating

Excellent

Organisation Readiness

✓ Reporting ✓ AI ✓ Migration

Top Priority

Review decommissioned assets past the retention window and archive or dispose of their records per your data retention policy.

Overall Recommendation

This assets dataset demonstrates a high level of maturity and is suitable for operational reporting, AI initiatives and system migration. Resolving the identified priority findings will further improve governance, completeness and long-term confidence in organisational data.

Next Step

Fielra recommends addressing the highlighted actions before the next reporting or migration cycle.

Assessment Confidence: 98% based on 12 automated validation rules. No AI-generated scoring was used.

17. Appendix

A. Assessment Rules Applied

Rule	Category	Severity	Points
Broken Asset Links	Integrity	Critical	40
Duplicate Assets	Uniqueness	High	35
Invalid Dates	Validity	High	30
Missing Asset ID	Completeness	Critical	30
Missing Asset Name	Completeness	Medium	15
Missing Building / Location	Completeness	High	25
Missing Category	Completeness	Medium	15
Missing Manufacturer	Completeness	Medium	20
Missing PPM Frequency	Completeness	High	25
Missing Serial Number	Completeness	Medium	20
Missing Warranty Expiry	Completeness	Low	15
Naming Inconsistencies	Consistency	Medium	30

B. Field Mapping

Canonical Field	Source Column
Asset ID	Asset ID
Asset Name	Asset Name
Category	Category
Manufacturer	Manufacturer
Model	Model
Serial Number	Serial Number
Building / Location	Building
Floor	Floor
Room	Room
Install Date	Install Date
Warranty Expiry	Warranty Expiry
PPM Frequency	PPM Frequency
Maintenance Type	Maintenance Type
Status	Status
Parent Asset ID	— Not mapped —

C. Field Dictionary

Field	Required
Asset ID	Yes
Asset Name	Yes
Category	Yes
Manufacturer	Yes
Model	No
Serial Number	Yes
Building / Location	Yes
Floor	No
Room	No
Install Date	No
Warranty Expiry	Yes
PPM Frequency	Yes
Maintenance Type	No
Status	No
Parent Asset ID	No

D. Scoring Methodology

Each of five category scores (Completeness, Consistency, Validity, Uniqueness, Integrity) starts at 100 and loses points per affected record for every issue tagged to it, based on that issue's configured severity. The three headline scores (Data Health, AI Readiness, Migration Readiness) are each a different weighted blend of the same five category scores, using weights shared across every Assessment Pack — so scoring is calculated the same way regardless of industry.

E. Glossary

Term	Definition
Data Health	A single overall score blending Completeness, Consistency, Validity, Uniqueness and Integrity.
AI Readiness	How suitable the dataset is for AI-driven insights and analytics, weighted toward Completeness and Consistency.
Migration Readiness	How suitable the dataset is for migration to a new system, weighted toward Uniqueness and Integrity.
Completeness	The proportion of mandatory fields that are populated.
Consistency	How uniformly the same value (e.g. a building or category name) is spelled/formatted across records.
Validity	Whether dates and values are well-formed and logically possible.
Uniqueness	The absence of duplicate records referring to the same real-world entity.
Integrity	Whether references between records (e.g. a manager or parent asset) point to records that actually exist.
Severity	How serious an issue type is considered, independent of how many records it affects (Critical/High/Medium/Low).
Urgency	How soon an issue should be addressed, combining its severity with how many records it affects.
Confidence	How much weight to put on this assessment, based on how completely the source file's required fields were populated.
Retention	A read-only screening of which records have reached a configured retention period — this report never modifies, archives or deletes source data.

F. Data Summary

Assets Analysed	338
Columns in Source File	14
Fields Recognised	14

G. Detailed Findings by Category

The full findings underlying the Section 6 severity summary, broken out by data quality category.

Completeness

Finding	Severity	Count	% of Records
Missing Manufacturer	Medium	72	21.3%
Missing Building / Location	High	59	17.5%
Missing Warranty Expiry	Low	53	15.7%
Missing PPM Frequency	High	45	13.3%
Missing Serial Number	Medium	21	6.2%
Missing Asset ID	Critical	9	2.7%
Missing Asset Name	Medium	8	2.4%

Consistency

Finding	Severity	Count	% of Records
Naming Inconsistencies	Medium	36	10.7%

Validity

Finding	Severity	Count	% of Records
Invalid Dates	High	8	2.4%

Uniqueness

Finding	Severity	Count	% of Records
Duplicate Assets	High	38	11.2%

H. Complete Findings Register

Every finding from this assessment, ranked by business risk, with full impact detail.

#	Issue	Risk	Count	Business Impact	Recommended Action
1	Decommissioned Asset Records Retention	High	33	Decommissioned asset records kept well beyond a reasonable retention window add clutter and audit risk without an ongoing business purpose.	Review decommissioned assets past the retention window and archive or dispose of their records per your data retention policy.

2	Missing Manufacturer	Medium	72	Missing manufacturer data limits warranty claims, parts sourcing and recall tracking.	Complete manufacturer data, sourcing from nameplate photos or supplier records where needed.
3	Missing Building / Location	Medium	59	Assets without a building/location cannot be included in space, compliance or statutory inspection reporting.	Standardise building names and complete the missing location for every asset.
4	Missing PPM Frequency	Medium	45	Assets without a planned maintenance schedule risk statutory non-compliance and unplanned failures.	Assign a PPM frequency to every maintainable asset based on manufacturer guidance or statutory requirements.
5	Duplicate Assets	Medium	38	Duplicate records inflate asset counts, cause double-booked maintenance visits and distort compliance and cost reporting.	Investigate and merge or remove duplicate asset records, keeping the most complete entry.
6	Naming Inconsistencies	Medium	36	Inconsistent spelling/casing of the same building or category fragments reports and undercounts true totals.	Standardise naming conventions and apply a controlled list for buildings and categories.
7	Missing Warranty Expiry	Low	53	Without a warranty expiry date, assets risk being replaced at full cost when they were still covered.	Complete missing warranty dates from purchase orders or supplier portals.
8	Missing Serial Number	Low	21	Assets without a serial number weaken warranty claims and make asset verification during audits unreliable.	Capture serial numbers during the next site walk or PPM visit.
9	Missing Asset ID	Low	9	Assets without a unique identifier cannot be reliably tracked, migrated or reconciled with work order history.	Assign a unique asset ID to every record using a consistent numbering scheme.
10	Invalid Dates	Low	8	Invalid or impossible dates break lifecycle and depreciation reporting and cannot be trusted by downstream systems.	Correct invalid date entries and validate date formats at the point of entry going forward.

11	Missing Asset Name	Low	8	Unnamed assets are hard to identify on site, slowing down technicians and audits.	Add a clear, descriptive name to every asset record.
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I. Field-Level Profile

The full per-field profile underlying the Section 5 Dataset Summary and Top Missing Fields chart.

Field	Type	Filled	Blank	Unique Values
Parent Asset ID	Text	0	338 (100.0%)	0
Manufacturer	Text	266	72 (21.3%)	6
Building / Location	Text	279	59 (17.5%)	5
Warranty Expiry	Date	285	53 (15.7%)	241
PPM Frequency	Text	293	45 (13.3%)	4
Serial Number	Text	317	21 (6.2%)	282
Maintenance Type	Text	317	21 (6.2%)	2
Asset ID	Identifier	329	9 (2.7%)	303
Asset Name	Text	330	8 (2.4%)	293
Category	Text	338	0 (0.0%)	6
Model	Text	338	0 (0.0%)	262
Floor	Text	338	0 (0.0%)	5
Room	Text	338	0 (0.0%)	191
Install Date	Date	338	0 (0.0%)	284
Status	Text	338	0 (0.0%)	2