

The data-readiness page

One page, five questions, each answer owed evidence rather than recollection. The scores become a standing scorecard — six dimensions, held per consumer and watched as a trend. “Good data” is an adjective until it is measured.

RECORD Six dimensions, scored per consumer and trended — never averaged into one plant-wide number

- 01 Completeness — are the readings and codes actually there?** Scheduled readings captured per route and point, work orders carrying a failure code, gap marks per tag. The worst problem leaves no error message.
- 02 Accuracy — do the values reflect reality?** Calibration currency per instrument, balance-gap checks, and the share of readings failing a range or physics validation.
- 03 Consistency — do the systems agree?** Orphan-tag rate against the naming standard, and join success across register, historian and CMMS.
- 04 Timeliness — did the data arrive in time to matter?** Median capture-to-available latency, records backfilled late, clock-offset alarms.
- 05 Traceability — can each value name its origin?** Readings carrying full point, instrument and operating-state metadata; feature-version coverage.
- 06 Validity — does the data conform to its rules?** Records passing the schema and unit checks at the gateway. Every red cell carries an owner, a date and the action that clears it — or the card is wallpaper with percentages.

ASK Five questions, before anyone budgets a model

- **Can every condition source be joined to the register?**
A reading that cannot be attached to a mastered asset ID is an orphan, however clean it looks. Answer with the join, not with an assurance that the join exists.
- **What fraction of work orders carries a usable failure code?**
Count it against three years of history, and count “general repair” as no code. This fraction sets the ceiling on everything labelled downstream.
- **Do the CM-relevant historian tags survive the compression audit?**
A tag that passed procurement is not one that survived deadbanding. Audit the ones the decision needs.
- **Is operating state recoverable for the assets that matter?**
Comparability is a claim. Without load, speed and state at capture, two readings are not one measurement.
- **Who, by name, owns each of these answers?**
One owner for all five is the condition the governance section exists to solve. Where an answer rests on recollection rather than evidence, record **NOT DEMONSTRATED** and keep the line open.

THE BOUNDARY THIS CARD CARRIES

The dimension names come from ISO/IEC 25012; the plant questions beside them do not, and scoring them is not a claim of conformity. This card proposes no target, weighting, pass mark or aggregate score, and a green card is not permission to proceed. No score here selects a technique, sets a threshold or alarm, prescribes an inspection or route interval, or authorises any maintenance or operating decision.