

MARKETING BROCHURE · 20 PAGES

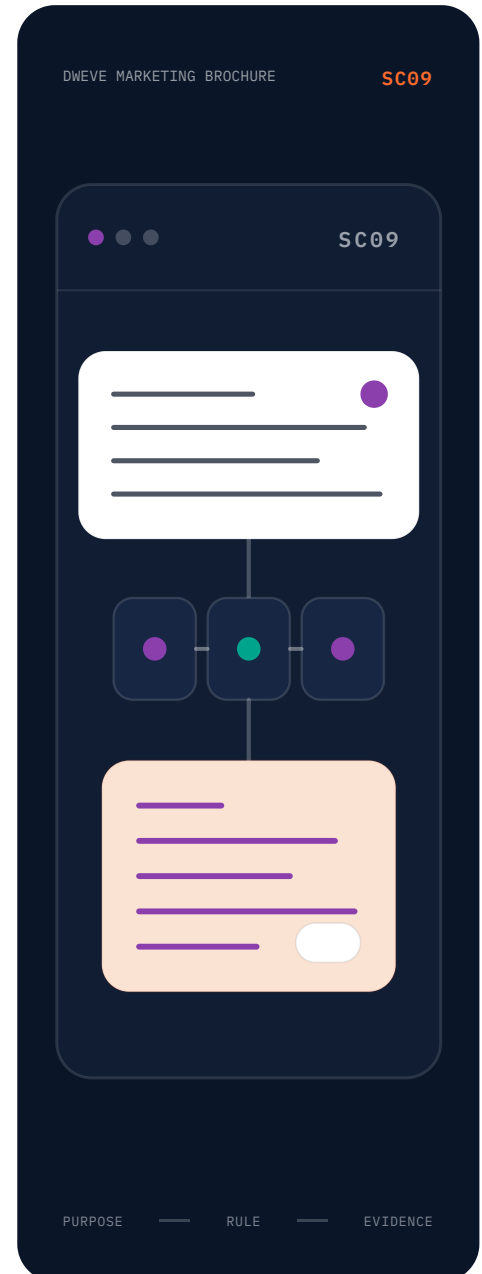
Dweve for Manufacturing

A standalone visual briefing for manufacturing leaders, practitioners, technology teams, and reviewers.

VISUAL BRIEFING

MANUFACTURING LEADERS, DOMAIN OWNERS, OPERATIONS, TECHNOLOGY, RISK, AND ASSURANCE TEAMS

ENGLISH



Scope and prove one accountable manufacturing workflow.

SC09

THE PROPOSITION

One manufacturing decision people can answer for

Existing MES, ERP, and SCADA systems keep working. Dweve wraps them in a deterministic decision layer that records every sensor, every rule, and every operator action as the release happens.



How to read this visual: follow a quality release event through the proposition.

DECISION

Read the promise against the operating reality

Existing MES, ERP, and SCADA systems keep working. Dweve wraps them in a deterministic decision layer that records every sensor reading, every rule, and every operator action as the release happens. The replay packet reconstructs the exact release years later.

Existing MES, ERP, and SCADA systems keep working. Dweve wraps them in a deterministic decision layer that records every sensor, every rule, and every operator action as the release happens.

- Purpose
- Source
- Rule
- Decision

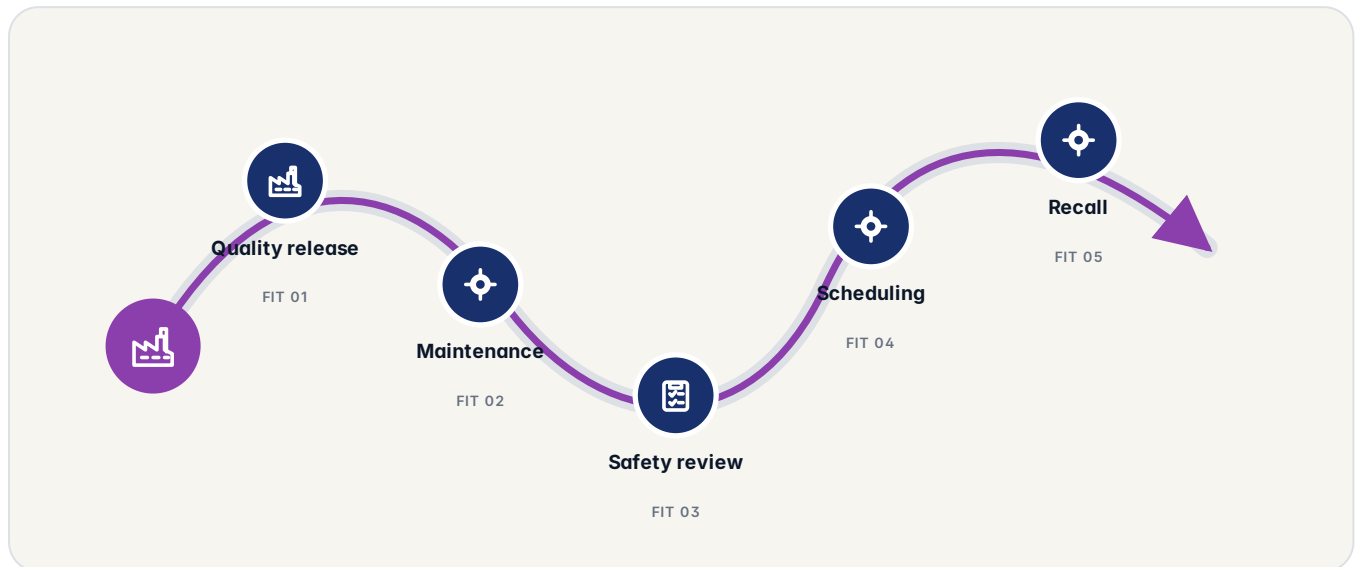
QUESTION TO CARRY

Which part of this proposition changes the outcome people receive today?

WHERE TO BEGIN

Six sector conversations worth having

A sector brochure must stand on its own. These are practical starting points, not a promise that every workflow should use AI.



How to read this visual: follow a quality release event through where to begin.

MECHANISM

Choose a starting point with a real consequence

Supply chain traceability is the workflow most damaged by ERP, MES, and QMS systems that were never meant to agree. Dweve wraps the supply chain in a deterministic decision layer so every raw material lot, every sub-assembly, and every finished part carries the same signed packet through the chain.

SPC samples across 1,240 units, dimensions within ISO 2768-mK tolerance per the registered work order. CMM inspection passed on 1,193 of 1,240 units; 47 reworked and re-released. Line lead A. de Vries signed the release on 2026-06-27 shift 2. The same decision replays bit-identical, with the SPC trace, the tolerance rule, and the operator on one screen.

- Quality release
- Maintenance
- Safety review
- Scheduling

QUESTION TO CARRY

Which bounded workflow has a real owner and a consequence worth improving?

THE CURRENT ESTATE

Keep the systems that already hold operational truth

The accountable layer connects to systems of record and control without pretending to replace every specialist system.



How to read this visual: follow a quality release event through the current estate.

DECISION

Keep existing operational truth in the picture

A plant manager does not buy a platform. She survives a CE audit, a customer traceability request, and a Machinery Directive review. The work order, the operator, the SPC samples, and the model version of every release decision have to be tied together. Today that record lives in MES, ERP, QMS, and paper logs that were never meant to agree.

Tie every release decision to its work order, operator, SPC samples, and model version while the line is running. When a CE audit, Machinery Directive review, or customer traceability request arrives, the production record is already complete.

- Authoritative estate
- Bounded decision layer
- Human and system hand-off
- Purpose

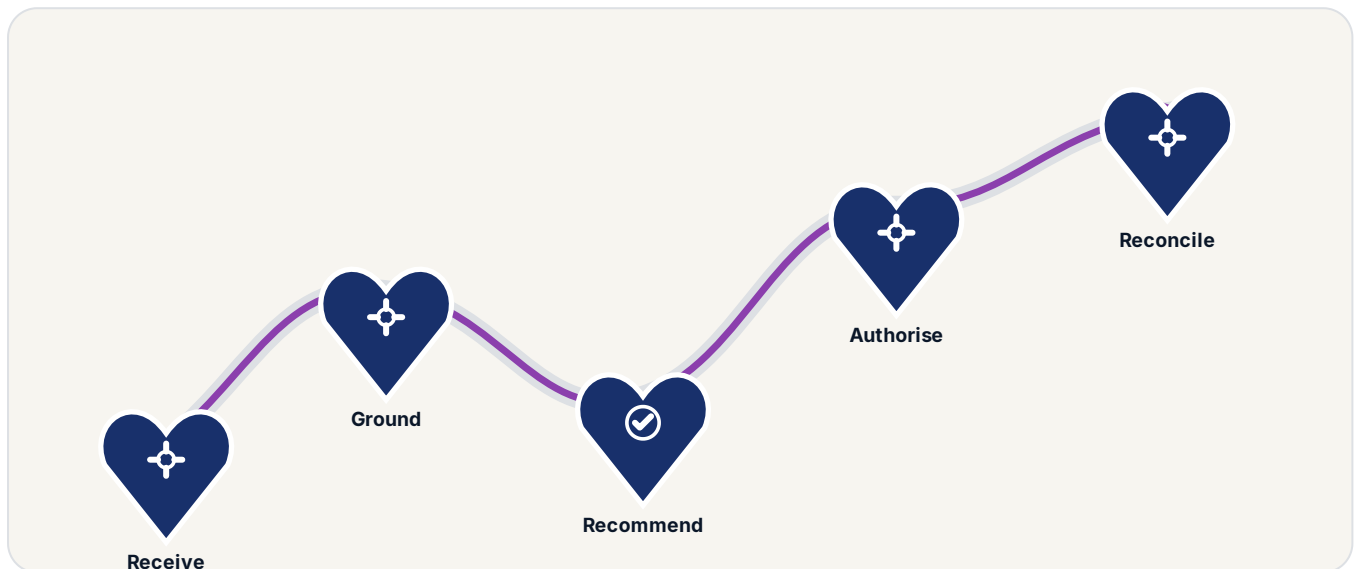
QUESTION TO CARRY

Which systems remain authoritative, and what may the new layer change?

REPRESENTATIVE WORKFLOW

A sector decision moves through one visible chain

The exact systems and roles change by organisation. The responsibility pattern remains inspectable.



How to read this visual: follow a quality release event through representative workflow.

MECHANISM

Follow one decision without skipping a boundary

Pick one workflow: OEE monitoring, predictive maintenance, quality control, or work-order release. Run it with your own MES data and watch the audit packet assemble as the work moves. Managed through Fabric on the public Dweve Mesh, on your OT network, or air-gapped.

Every work order release, SPC sample, and maintenance dispatch leaves a signed packet: the MES source, the rule, the operator, and a bit-exact replay. The auditor opens one file and watches the same decision come back.

- Receive
- Ground
- Recommend
- Authorise

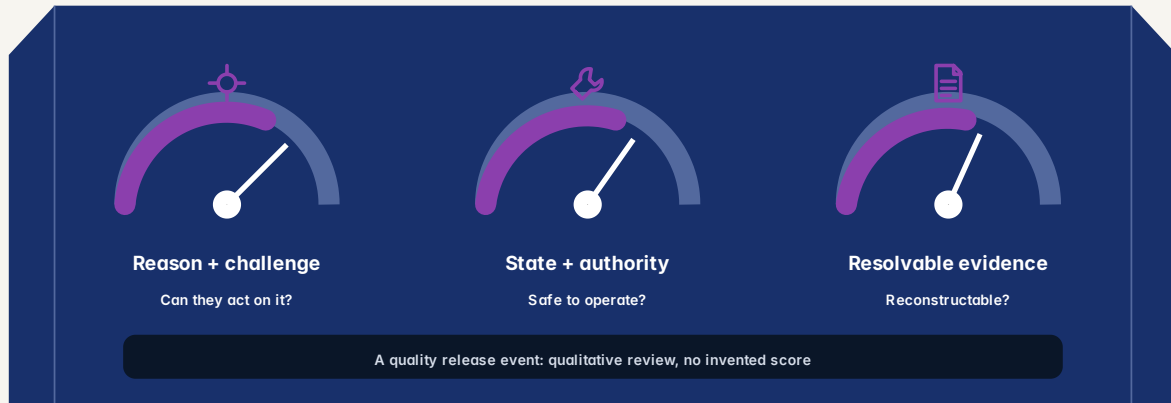
QUESTION TO CARRY

Where do source, rule, computation, review, and action join?

SECTOR ASSURANCE

Different people need different proof from the same event

A single technical log rarely answers every question. Design the record around the people who will actually use it.



How to read this visual: follow a quality release event through sector assurance.

DECISION

Give each reader the proof they actually need

A part should not lose its history when it leaves the factory. Dweve keeps it linked to the work order, the operator, and the inspection record, giving you a clear account of where it came from and how it was checked.

When your supplier uses Dweve, your part is not anonymous. It is tied to a work order, a named operator, and an inspection record you can request. If you ask, the answer is in writing.

- A reason and a route to challenge
- State, authority, and next action
- A resolvable evidence packet
- Purpose

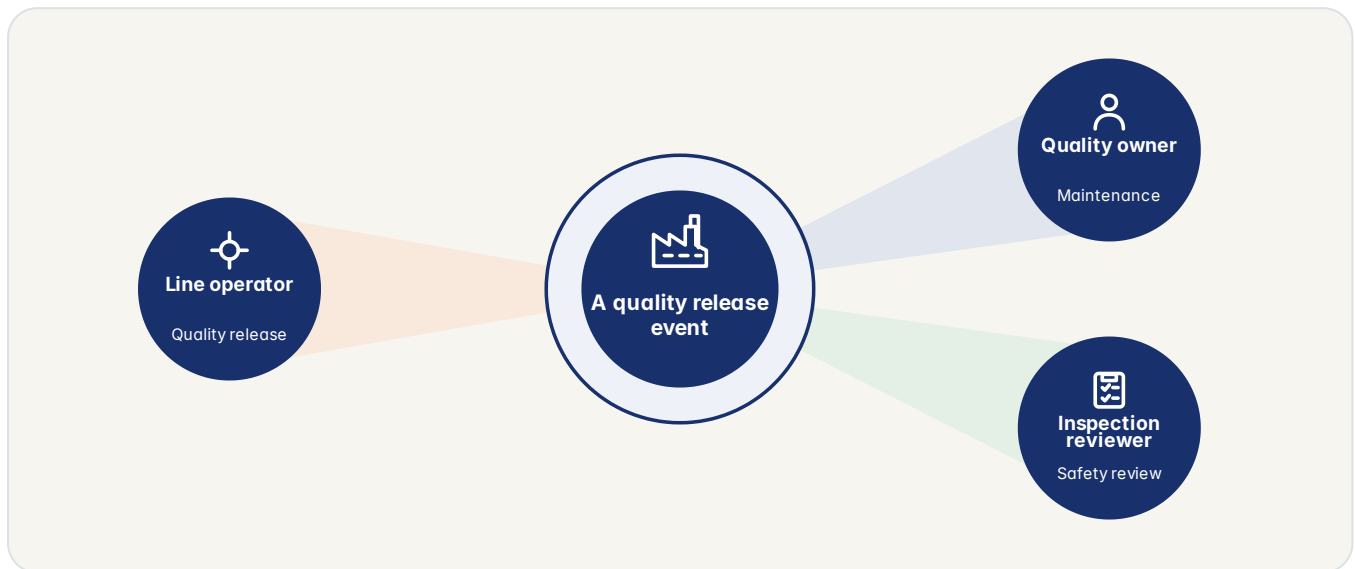
QUESTION TO CARRY

Can the person, operator, and reviewer each obtain the proof they need?

USE AND FIT

Where manufacturing work can earn its place

Start with responsibilities that have a real owner, useful sources, and a consequence worth improving.



How to read this visual: follow a quality release event through use and fit.

MECHANISM

Separate useful scope from attractive distraction

Safety integrity calculations are the manufacturing workflow most damaged by float drift and standard version skew. Dweve runs the SIL / PL calculation on integer arithmetic, pins to a specific IEC 61508 / ISO 13849 version, and ships the same result every time. The packet is the CE audit artefact.

Predictive maintenance is the manufacturing workflow most damaged by float drift and model version skew. Dweve runs the prediction on integer arithmetic, pins to a specific model version, and ships the same prediction every time.

- Quality release
- Maintenance
- Safety review
- Scheduling

QUESTION TO CARRY

Where does this earn a place, and where should it deliberately not be used?

THE PATH

How manufacturing work moves from question to decision

A focused engagement should make the next decision easier, not create a larger promise.



How to read this visual: follow a quality release event through the path.

WHY THIS SHAPE WORKS

The workflow, operating boundary, evidence, and decision criteria are considered together from the start.

DECISION

Make every stage earn the next one

The decision layer never crosses a trust boundary that fails the NIS2 or Machinery Directive rules. The same topology ships on all three postures.

Every numerical computation in the OEE and stability path is verified against MPFR at 256-bit precision. The published result is 0 ULP, correctly rounded across the documented input domain, with property-based tests driving the corners on every release.

- Purpose
- Rule
- Authority
- Evidence

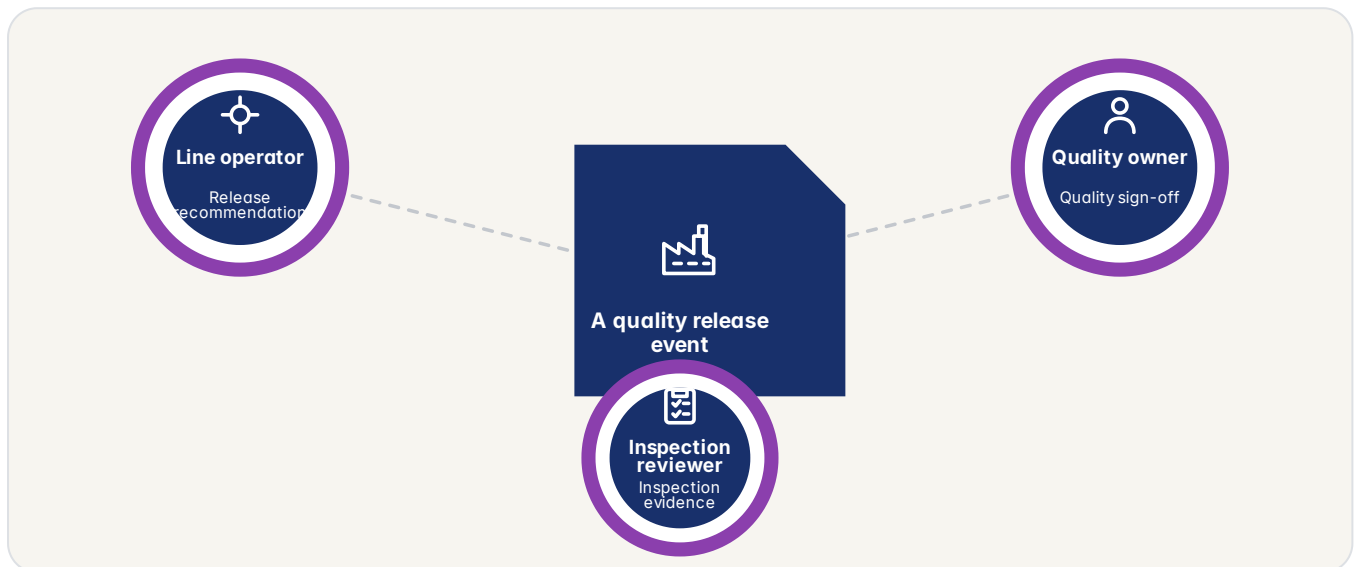
QUESTION TO CARRY

What evidence must exist before the scope is allowed to grow?

THE VALUE PICTURE

manufacturing work seen from three responsibilities

Good AI work must make sense to the person using it, the team operating it, and the people reviewing it.



How to read this visual: follow a quality release event through the value picture.

PRIMARY READER

Manufacturing leaders, domain owners, operations, technology, risk, and assurance teams

The first conversation.

DECISION SUPPORTED

Scope and prove one accountable manufacturing workflow.

The next useful step.

MECHANISM

Read the same outcome from several responsibilities

Three operating models, one evidence architecture. Managed Fabric runs on the public Mesh. Licensed operation brings direct products into your OT network. Air-gapped operation protects the most sensitive production data. Each model keeps decisions and evidence inside its declared trust boundary.

Integrate via REST or gRPC against a typed OpenAPI 3.1 surface. Managed through Fabric on the public Dweve Mesh for pilots. Licensed for your OT network. Air-gapped for the most sensitive production data. Same API, same trace format, same replay packets across all three.

- Purpose
- Rule
- Authority
- Source

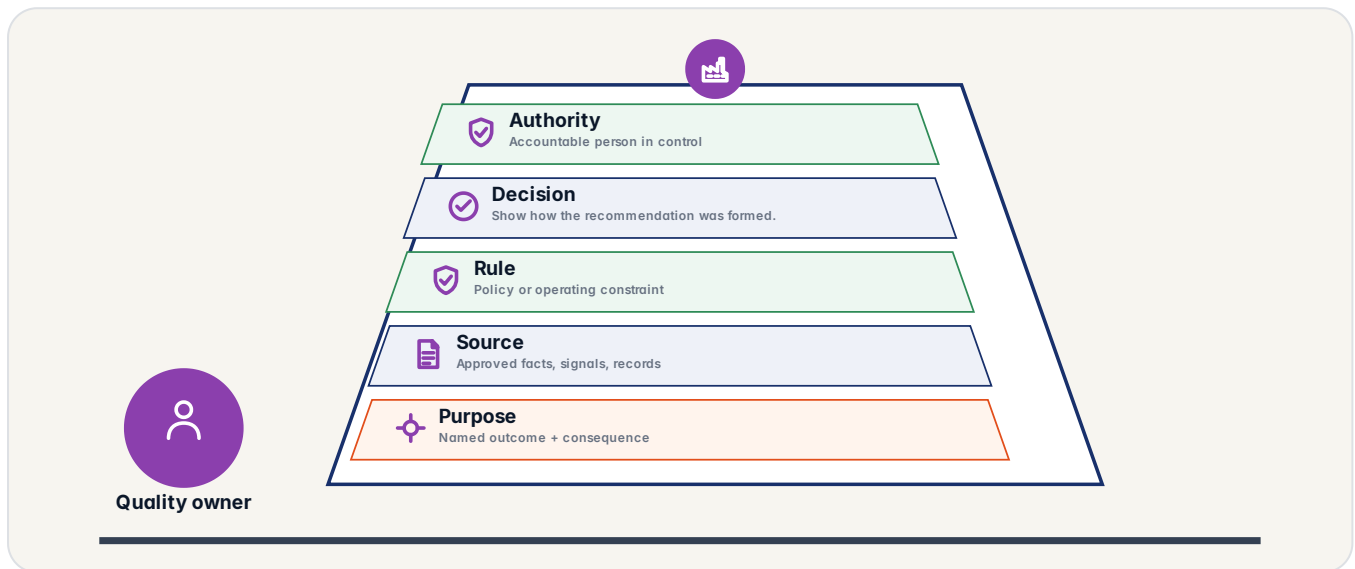
QUESTION TO CARRY

Can the same result satisfy its user, operator, and reviewer?

THE OPERATING MODEL

The control model around manufacturing work

A credible proposition connects the visible result to the less visible responsibilities underneath it.



How to read this visual: follow a quality release event through the operating model.

DECISION

Name the controls behind the simple interface

Bit-exact replay for OEE, predictive maintenance, and quality control. IEC 61508 aware, Machinery Directive compliant, EU-sovereign. Integrate via API, host in the EU, or run air-gapped on the OT network.

Two questions decide procurement: where does it run, and which rules does it satisfy. It runs managed through Fabric on the public Dweve Mesh, on your OT network, or fully air-gapped, with no re-platforming between tiers. GDPR, the Machinery Directive, IEC 61508, and NIS2 are design constraints the platform satisfies by construction.

- Purpose
- Source
- Rule
- Decision

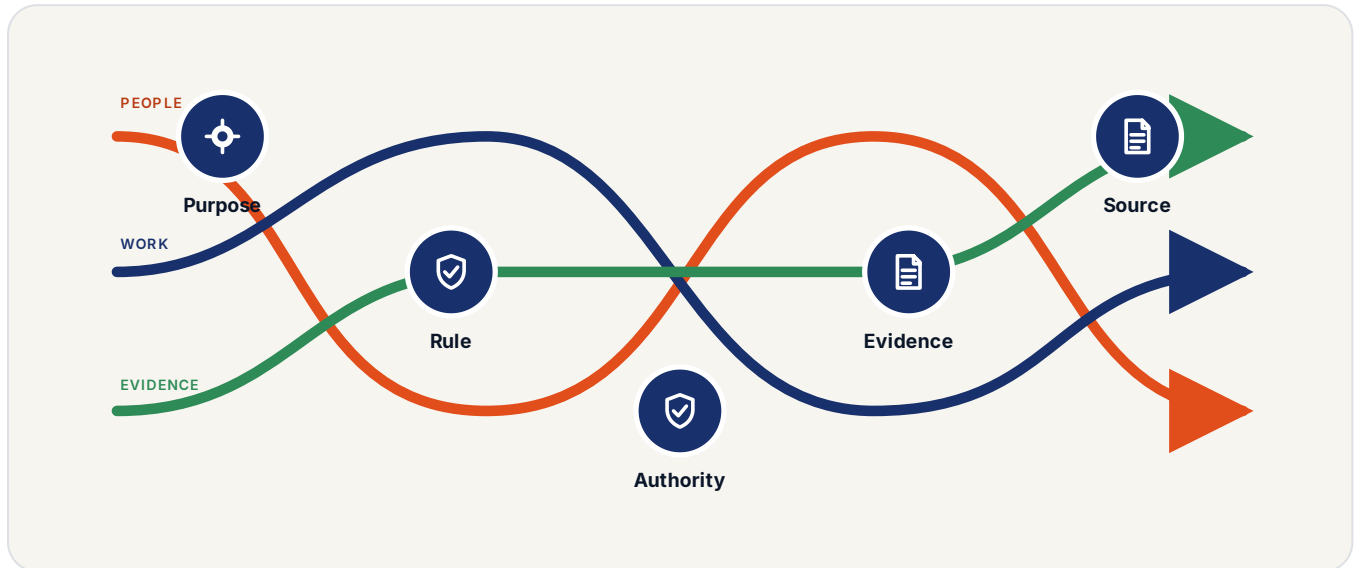
QUESTION TO CARRY

Who owns each control when the interface appears simple?

THE RESPONSIBILITY FLOW

People, manufacturing work, and evidence move together

The work becomes easier to govern when each stage leaves a clear hand-off.



How to read this visual: follow a quality release event through the responsibility flow.

MECHANISM

Keep every hand-off attached to an owner

Most people open managed Fabric in a browser and start without an infrastructure project. Organisations that need direct product operation inside their own perimeter move to a licensed deployment. Workflow and evidence contracts remain portable, while product access, keys, patches, logs, and operating responsibility change.

A production part is no longer a black box. The in-process SPC, the inspection, the traceability, and the release each have a named operator and a rule attached.

- Purpose
- Rule
- Authority
- Evidence

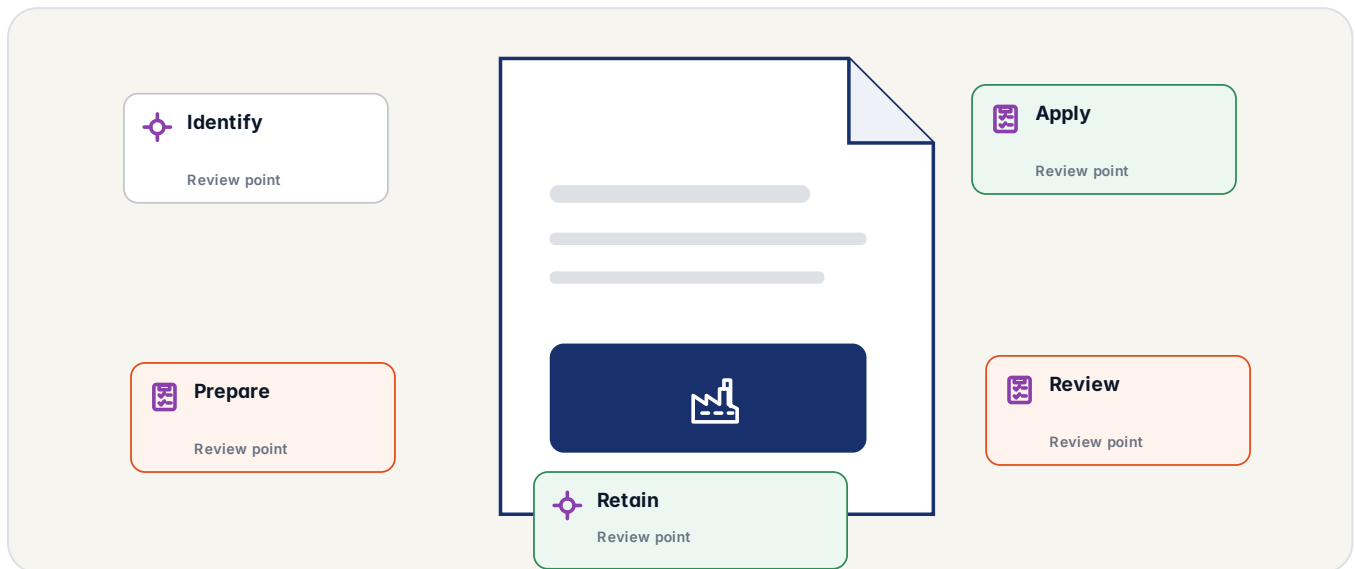
QUESTION TO CARRY

Is every hand-off visible, bounded, and assigned to an owner?

SOURCE TO RESULT

manufacturing work: from authoritative source to result

The work stays explainable when source identity, transformation, decision, and hand-off remain visible between systems.



How to read this visual: follow a quality release event through source to result.

DECISION

Keep the basis visible as the work changes form

Every part is traceable from the customer back to the raw material lot. If a recall is issued, the same packet the line lead signed at release identifies every affected unit in seconds. The recall letter is in plain language with named contacts.

The release decision stays inside your perimeter. The same platform scales from a single line to a full multi-site factory without re-platforming.

- Identify
- Prepare
- Apply
- Review

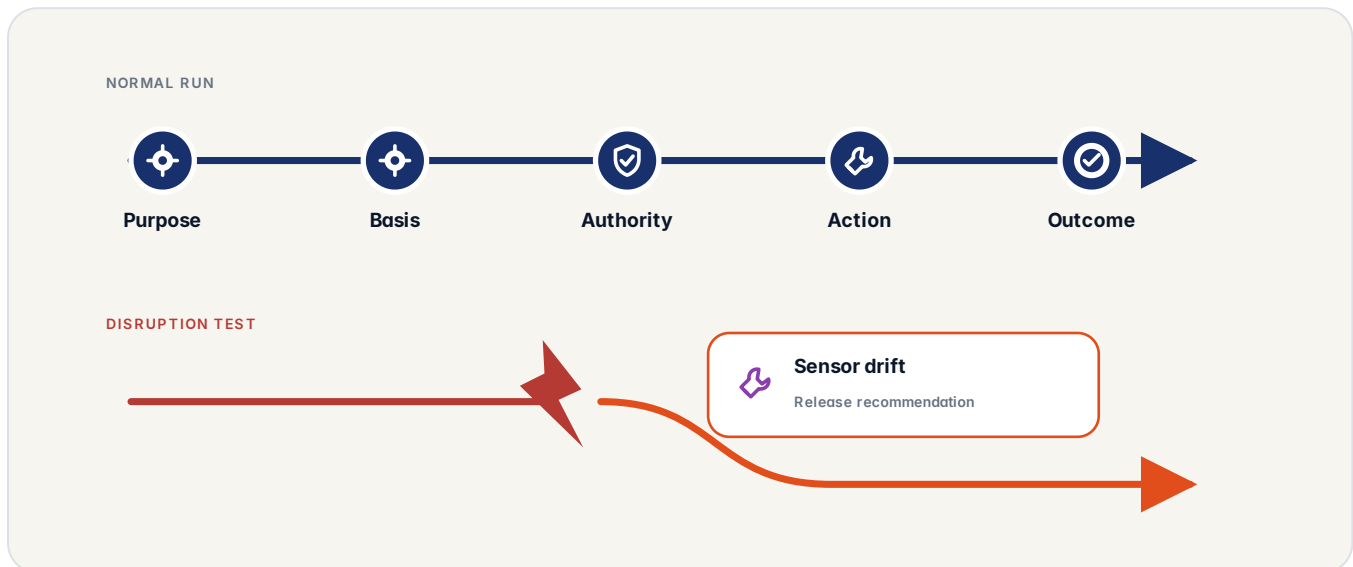
QUESTION TO CARRY

Can the result still be connected to the exact basis that shaped it?

EVIDENCE PACKET

The evidence manufacturing work leaves with the work

Capture enough to explain the result, inspect authority, investigate failure, and make the next decision without rebuilding the story from memory.



How to read this visual: follow a quality release event through evidence packet.

MECHANISM

Preserve the record needed by the next question

Every OEE calculation runs on a deterministic engine. Bit-exact replay across machines and releases. Same OEE on the plant floor, in the cloud, and on a laptop. No floating-point drift, no chip-dependent rounding.

You do not need to chase a recall through a call centre. The packet identifies the batch, the lot, and the line lead in one file.

- Purpose
- Basis
- Authority
- Action

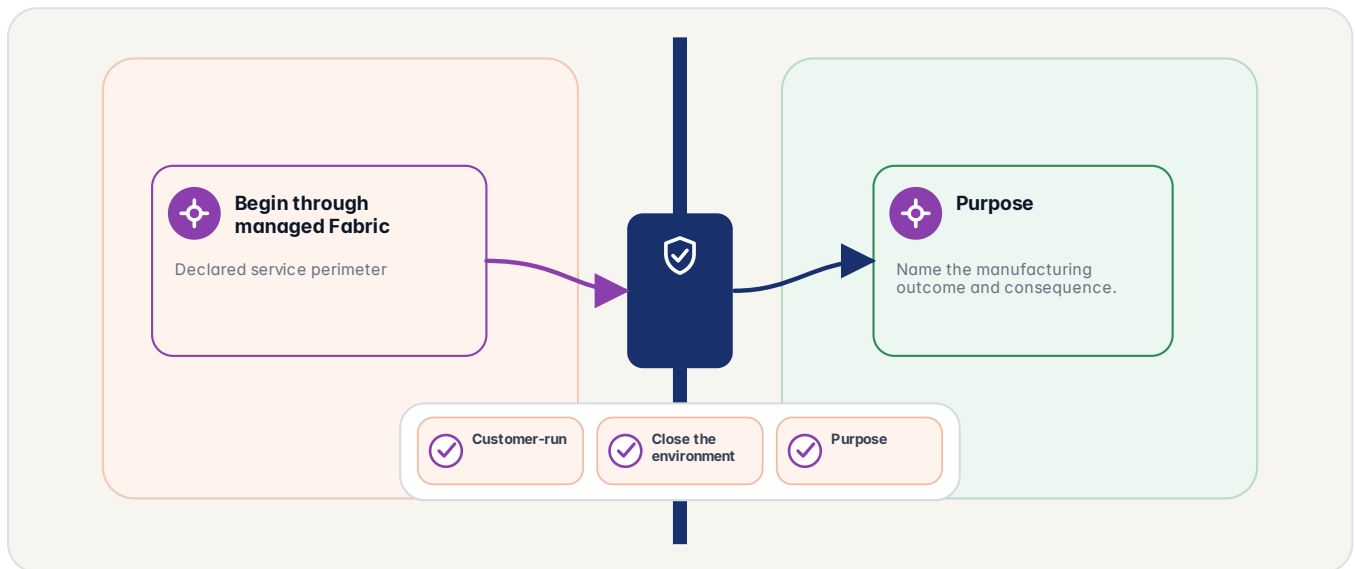
QUESTION TO CARRY

Does the retained record answer the next difficult question without reconstruction?

DEPLOYMENT CHOICE

Choose the operating posture for manufacturing work

Location is only one dimension. Decide who operates, who holds keys, which dependencies exist, how updates arrive, and what continuity requires.



How to read this visual: follow a quality release event through deployment choice.

DECISION

Compare operating responsibility, not location alone

Determinism is asserted in the suite, not promised in prose. The same oracle run on your hardware produces the same answer as on ours.

Managed customers use Fabric, its business API and Agent SDK on the public Dweve Mesh. A licensed deployment adds direct operation of Core and the platform products on customer-controlled infrastructure. Key custody, updates, logs, product access, and source rights follow that boundary.

- Begin through managed Fabric
- Run on customer infrastructure
- Close the environment
- Purpose

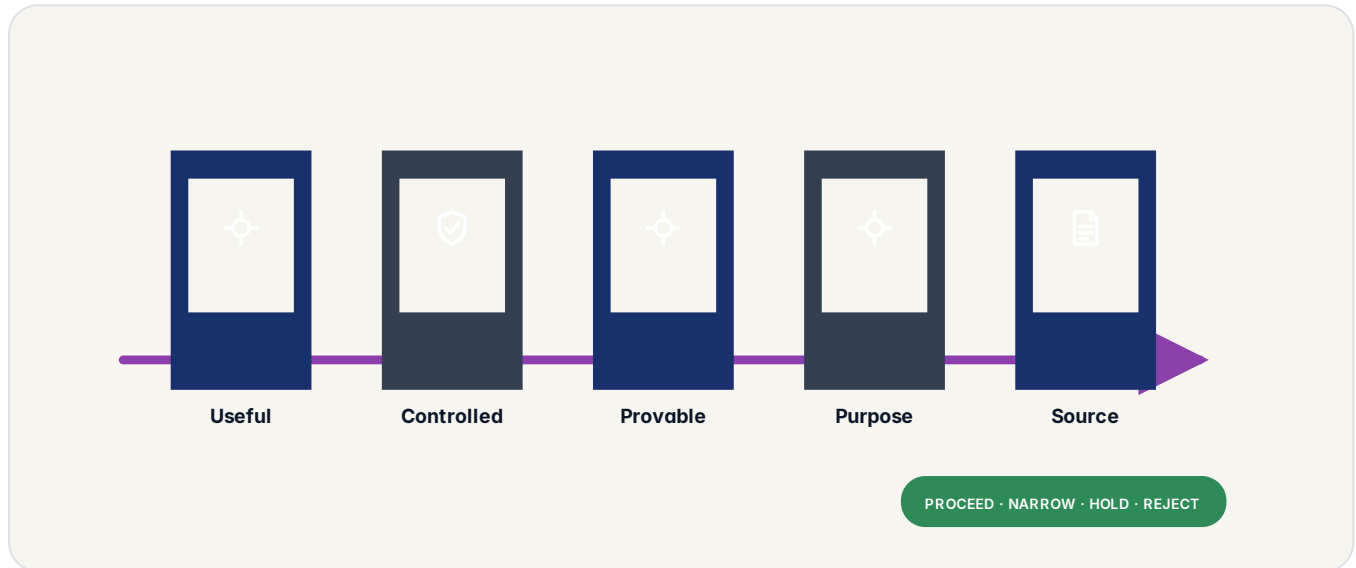
QUESTION TO CARRY

Who holds infrastructure, keys, updates, logs, recovery, and the exit path?

WHAT TO LOOK FOR

Signals that manufacturing work is earning trust

Progress is a useful outcome under understood control, supported by reviewable evidence.



How to read this visual: follow a quality release event through what to look for.

MECHANISM

Use signals that can change the next decision

The production line is the easy part. Reconstructing the why of every release six months later, in front of a CE auditor, is the hard part.

A customer, an auditor, or a regulator can pull the genealogy of any part in seconds. The packet follows the part, not the spreadsheet.

- Useful
- Controlled
- Provable
- Purpose

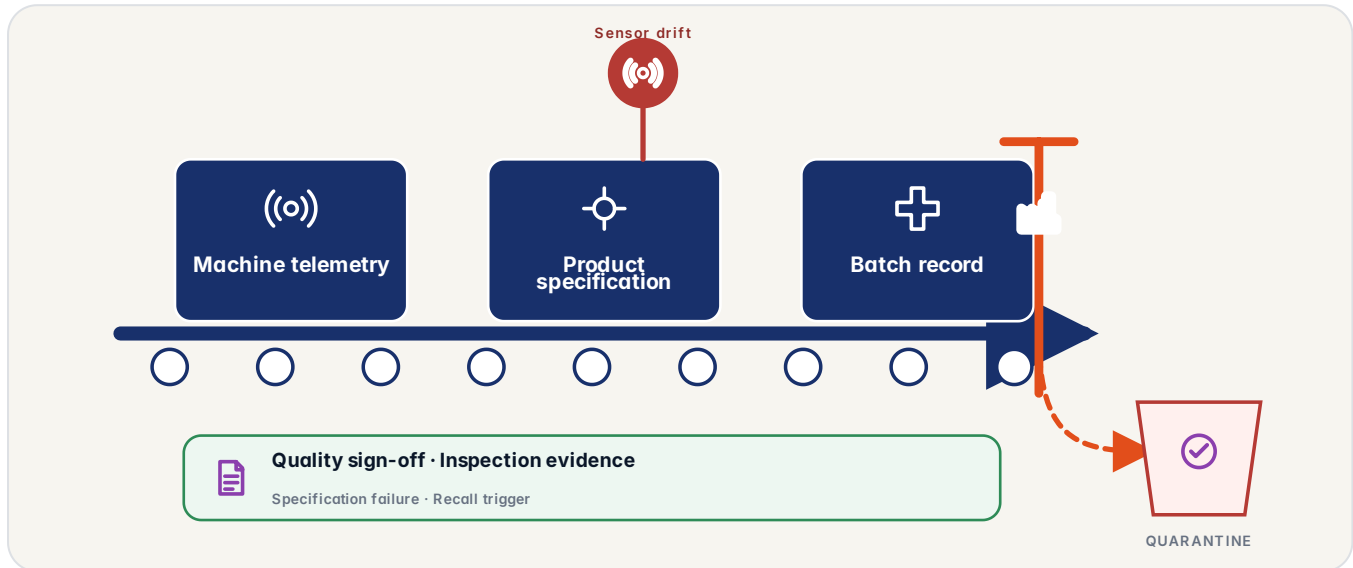
QUESTION TO CARRY

Which signals would change the next decision rather than merely impress the room?

HONEST LIMITS

Test how manufacturing work fails before the first success demo

Visible failure is more useful than a polished result whose limits remain unknown.



How to read this visual: follow a quality release event through honest limits.

DECISION

Design the failure before presenting the success

Choose managed Fabric on the public Dweve Mesh, direct licensed operation on your infrastructure, or an isolated licensed perimeter. Workflow and evidence contracts remain portable; product access, keys, patches, logs, source rights, and operational responsibility change.

The trace still records inputs, operations, and policy decisions, but does not pin every sampling choice to a fixed result. Useful for development and exploratory work where the audit record matters more than exact reproduction.

- Sensor drift
- Specification failure
- Recall trigger

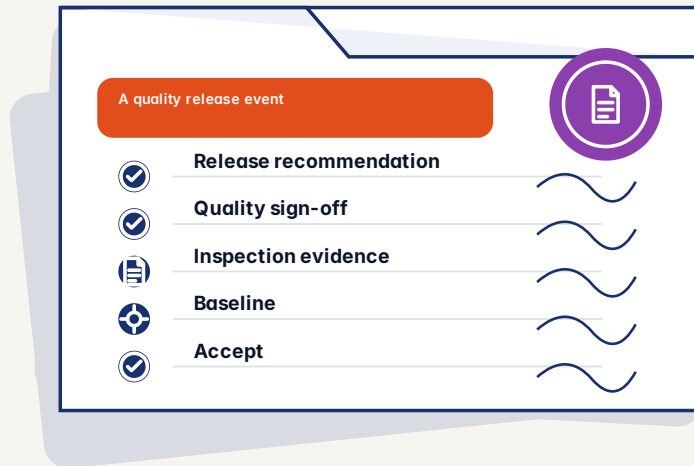
QUESTION TO CARRY

What happens when a source, permission, target, model, or supplier is unavailable?

ACCEPTANCE PATH

Close the manufacturing work proof with a decision

Agree the decision path before the demonstration so a strong or weak result can change what happens next.



How to read this visual: follow a quality release event through acceptance path.

MECHANISM

Close the proof with an owned decision

Policy evaluation in Lattice and proof generation in AION are pure functions of their inputs. Both run with no network access.

Shuttle is a hardware-target option inside the air-gapped posture. It runs the same binaries as every other posture. The FPGA backend in Core handles the compute path; the rest of the stack is unchanged.

- Baseline
- Accept
- Exercise
- Review

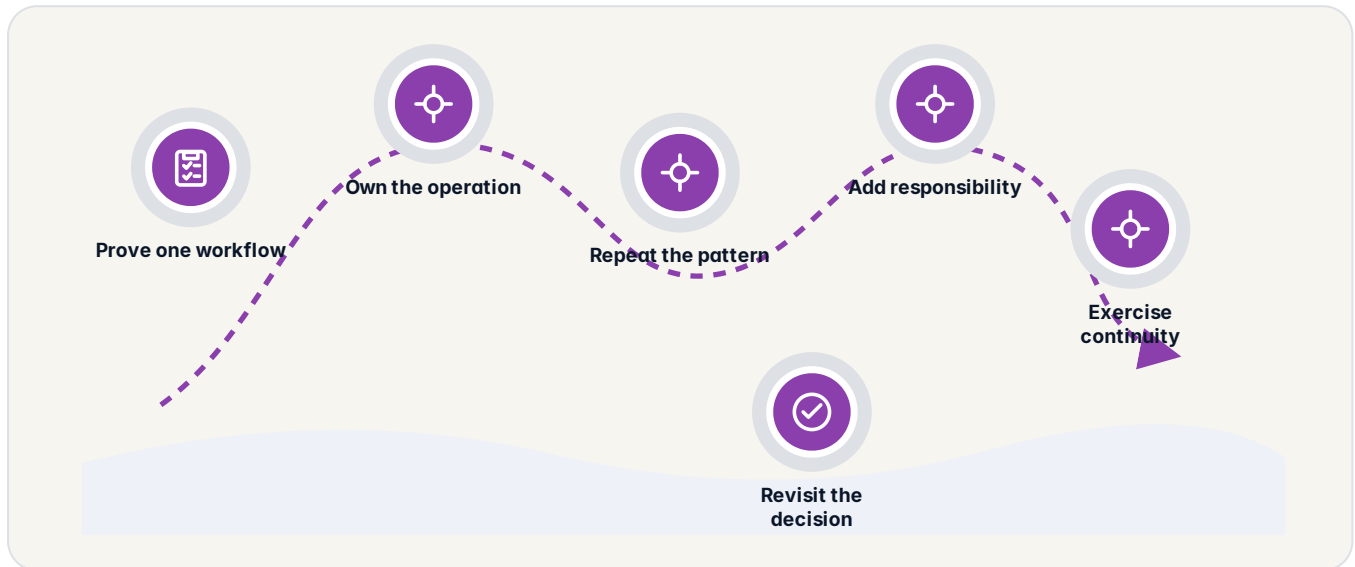
QUESTION TO CARRY

Are success, counter-metrics, failure cases, and stop conditions agreed first?

ADOPTION

Adopt manufacturing work through owned choices

Move from one bounded result to a repeatable operating capability without making the scope vague.



How to read this visual: follow a quality release event through adoption.

DECISION

Expand only what proved reusable

Start in a European region, move the same workflow into your own environment, or isolate it completely. The operating model changes; the way people review and approve work does not.

Start in managed Fabric: open a browser, sign in, and ask. If your organisation later needs direct product operation inside its own perimeter, use a licensed transition plan that carries the workflow and evidence contracts into customer-controlled infrastructure.

- Prove one workflow
- Own the operation
- Repeat the pattern
- Add responsibility

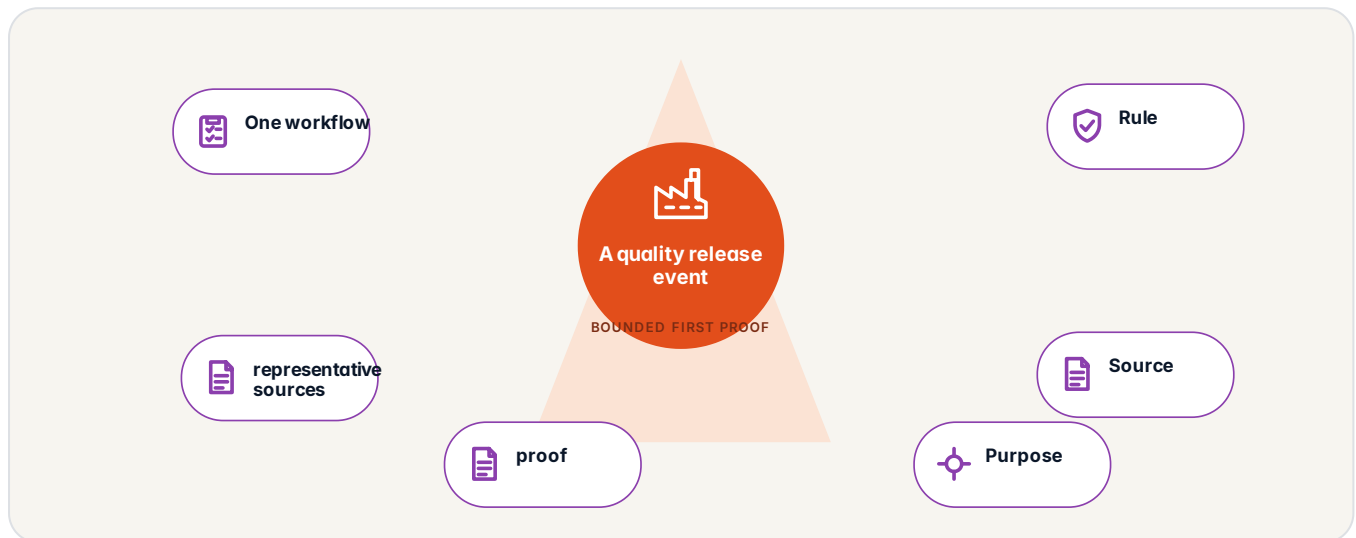
QUESTION TO CARRY

What can be reused safely, and what requires a new decision and proof?

WHAT TO PREPARE

What to bring to the manufacturing working session

A small amount of real context produces a better conversation than a broad catalogue of hypothetical features.



How to read this visual: follow a quality release event through what to prepare.

KEEP IT BOUNDED

Sensitive production data is not required for the first conversation. Bring representative material and the rules that define a useful result.

MECHANISM

Bring enough reality to make the session useful

Fabric is the app you actually use. You log in, start a conversation, upload documents, or build a small workflow. Behind the scenes the model powers the answers, the network handles the compute, and the agents do the organizing, but you never have to configure any of that. The trace is always there if you want to see how an answer was reached.

A trace on every decision means a real question comes back with the source it used, the rule it applied, the owner who signed, and a sealed record you can replay. Here is the shape of that evidence. The example is illustrative until your own data is connected.

- Bring one workflow
- Bring representative sources
- Agree the proof
- Purpose

QUESTION TO CARRY

Which real sources, rules, owners, and examples will make the first session honest?

THE INVITATION

Continue the manufacturing work conversation

Scope a briefing, demonstration, or proof around the workflow and decision that matter to your organisation.

● **dweve.com/contact**



ONE MAINTAINED PUBLIC ROUTE
Current contact choices stay on the website

START A CONVERSATION

Continue through the current contact page

Scope a workflow or ask a technical question, then use the contact page to begin.

START	dweve.com/contact Use the maintained public contact route
BRING	One bounded question Workflow, audience, decision, and desired evidence
CHOOSE	Briefing · demonstration · PoV Select the smallest useful next step
VERIFY	Current scope and terms Confirm availability, pricing, and responsibilities before commitment

CONTINUE ONLINE

dweve.com/contact

Current route and contact choices

DECISION

Turn the brochure into one bounded next step

No workflow rebuild is required, but the access boundary changes. Managed customers use Fabric and its business surfaces; licensed customers operate the products directly.

The access model decides who operates the products, who holds the keys, and where the boundary sits. Workflow and evidence contracts remain portable, but rights are not identical.

No workflow rebuild is required, but the access boundary changes. Managed customers use Fabric and its business surfaces; licensed customers operate the products directly.

- Start: **dweve.com/contact**
- Bring: One bounded question
- Choose: Briefing · demonstration · PoV
- Verify: Current scope and terms

QUESTION TO CARRY

What is the smallest useful next conversation Dweve should prepare?