

MARKETING BROCHURE • 20 PAGES

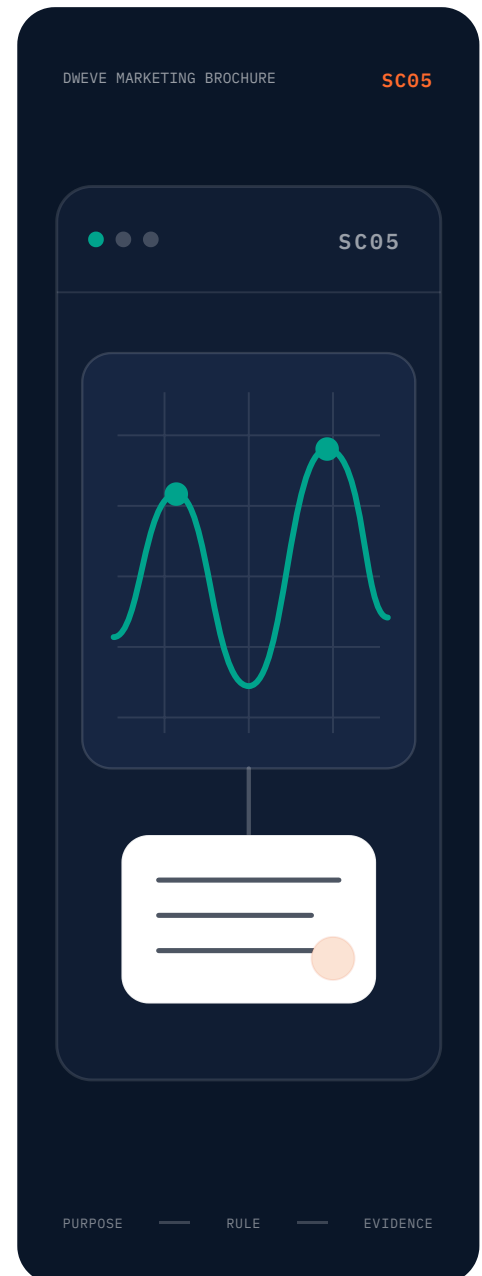
Dweve for Energy and utilities

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

VISUAL BRIEFING

ENERGY AND UTILITIES LEADERS, DOMAIN OWNERS, OPERATIONS, TECHNOLOGY, RISK, AND ASSURANCE TEAMS

ENGLISH



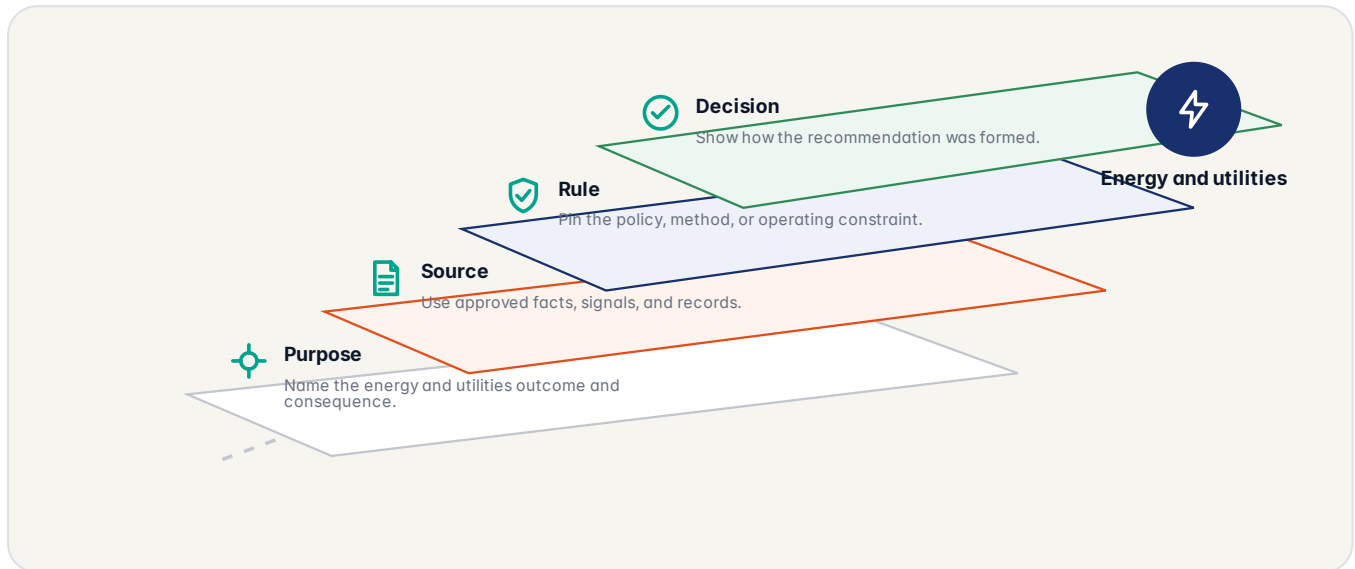
Scope and prove one accountable energy and utilities workflow.

SC05

THE PROPOSITION

One energy and utilities decision people can answer for

Existing SCADA and EMS systems keep working. Dweve wraps them in a deterministic decision layer that records every measurement, every rule, and every operator action as the dispatch happens.



How to read this visual: follow a grid balancing event through the proposition.

MECHANISM

Read the promise against the operating reality

Existing forecasting models keep working. Dweve wraps them in a deterministic decision layer that records every input, every rule, and every operator override as the dispatch happens. The replay packet reconstructs the exact forecast years later.

Existing SCADA and EMS systems keep working. Dweve wraps them in a deterministic decision layer that records every measurement, every rule, and every operator action as the dispatch happens.

- Purpose
- Source
- Rule
- Decision

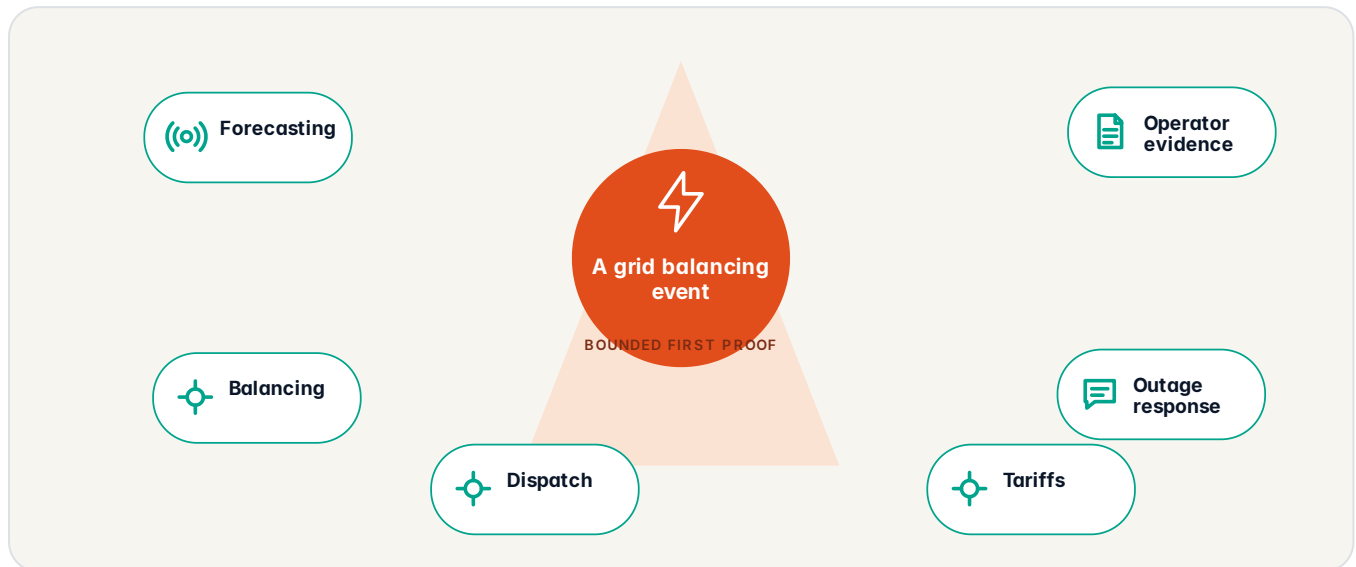
QUESTION TO CARRY

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 grid balancing event through where to begin.

DECISION

Choose a starting point with a real consequence

Pick one workflow: day-ahead forecast, balancing dispatch, fault triage, or tariff application. Run it with your own SCADA traces and watch the review packet assemble as the work moves. Managed through Fabric on the public Dweve Mesh, on your OT network, or air-gapped.

Balancing actions are the energy workflow most damaged by float drift and telemetry skew. Dweve runs the activation on integer arithmetic, pins to a specific rule version, and ships the same dispatch every time. The packet is the audit artefact when NIS2 calls.

- Forecasting
- Balancing
- Dispatch
- Tariffs

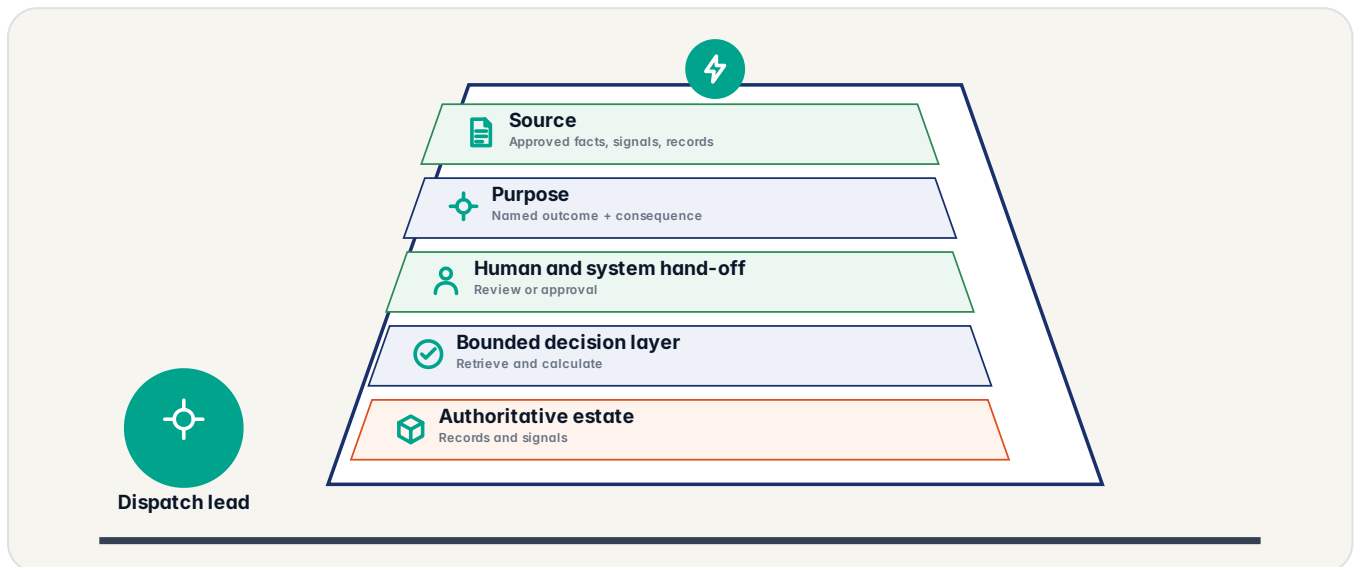
QUESTION TO CARRY

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 grid balancing event through the current estate.

MECHANISM

Keep existing operational truth in the picture

A head of system operations does not buy a platform. She survives a NIS2 incident review and a regulator audit. Every balancing activation, fault classification, and tariff application has to be tied to a published rule, an SCADA source, a named operator, and a deterministic replay. Today that record lives in four systems that were never meant to agree.

Put each forecast, balancing action, and tariff decision on one review-ready record. The operating rule, source data, responsible operator, and model version travel with the decision, so an ACM, BNetza, or NIS2 review starts with evidence instead of reconstruction.

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

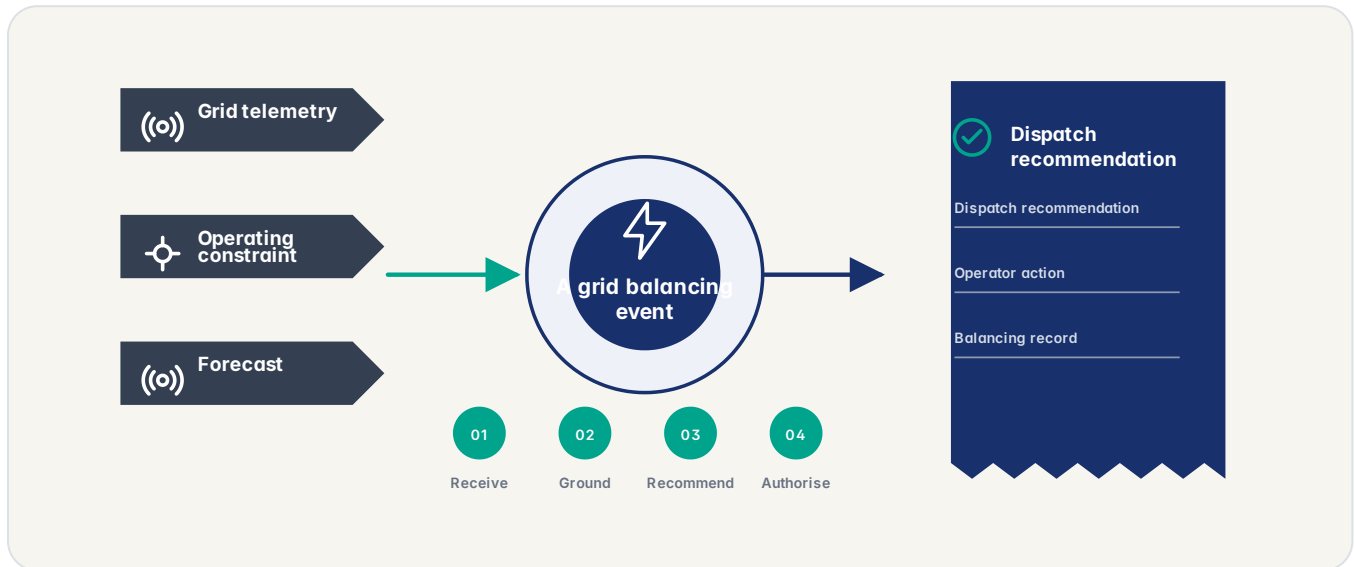
QUESTION TO CARRY

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 grid balancing event through representative workflow.

DECISION

Follow one decision without skipping a boundary

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.

Every tariff your utility applies is appealable. The same record the operator signed is the record you can challenge. If you disagree with the lane, the rate, or the application, the complaint path is on the bill.

- Receive
- Ground
- Recommend
- Authorise

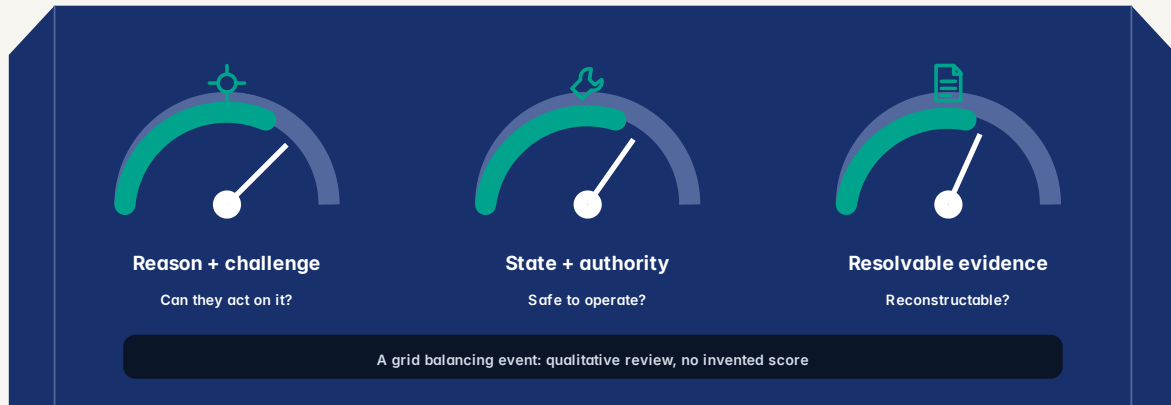
QUESTION TO CARRY

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 grid balancing event through sector assurance.

MECHANISM

Give each reader the proof they actually need

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, NIS2, the EU AI Act, and the IEC 61850 family are design constraints the platform satisfies by construction.

You do not need a lawyer to challenge a dynamic tariff. The packet is in plain language and the lane, the version, and the operator are named on the bill.

- 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 energy and utilities 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 grid balancing event through use and fit.

DECISION

Separate useful scope from attractive distraction

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 classified or statutory work. Same API, same trace format, same replay packets across all three.

Energy flows across borders on the European internal market. Every cross-border exchange on the PFN, every capacity allocation, every congestion income leaves a signed packet. The regulator on either side of the border opens the same file and watches the same dispatch come back.

- Forecasting
- Balancing
- Dispatch
- Tariffs

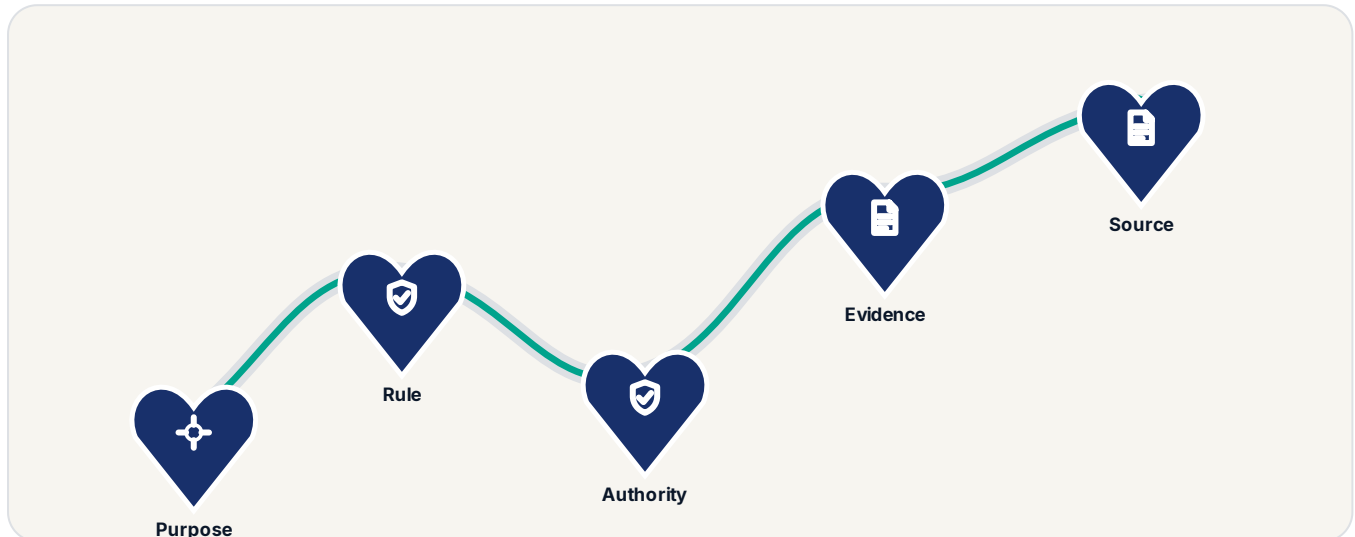
QUESTION TO CARRY

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

THE PATH

How energy and utilities 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 grid balancing event through the path.

WHY THIS SHAPE WORKS

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

MECHANISM

Make every stage earn the next one

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 classified or statutory work. Each model keeps decisions and evidence inside its declared trust boundary.

Every numerical computation in the forecast 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

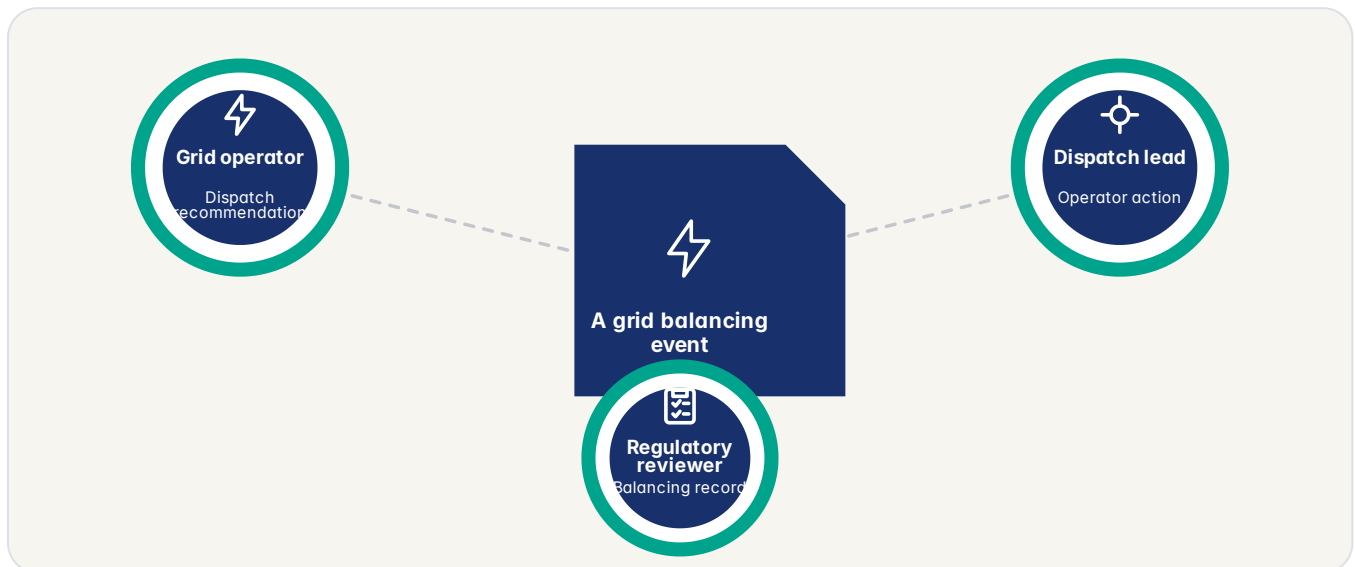
QUESTION TO CARRY

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

THE VALUE PICTURE

energy and utilities 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 grid balancing event through the value picture.

PRIMARY READER

Energy and utilities leaders, domain owners, operations, technology, risk, and assurance teams

The first conversation.

DECISION SUPPORTED

Scope and prove one accountable energy and utilities workflow.

The next useful step.

DECISION

Read the same outcome from several responsibilities

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

Frequency dipped below 49.95 Hz at 17:41:32, triggering FCR activation under ACM rule BAL-2026-H1 paragraph 4.2. The automatic activation pulled 84 MW of contracted reserves. The named operator on shift confirmed the dispatch. The same activation replays bit-identical, with the SCADA trace, the rule, and the operator on one screen.

- Purpose
- Rule
- Authority
- Source

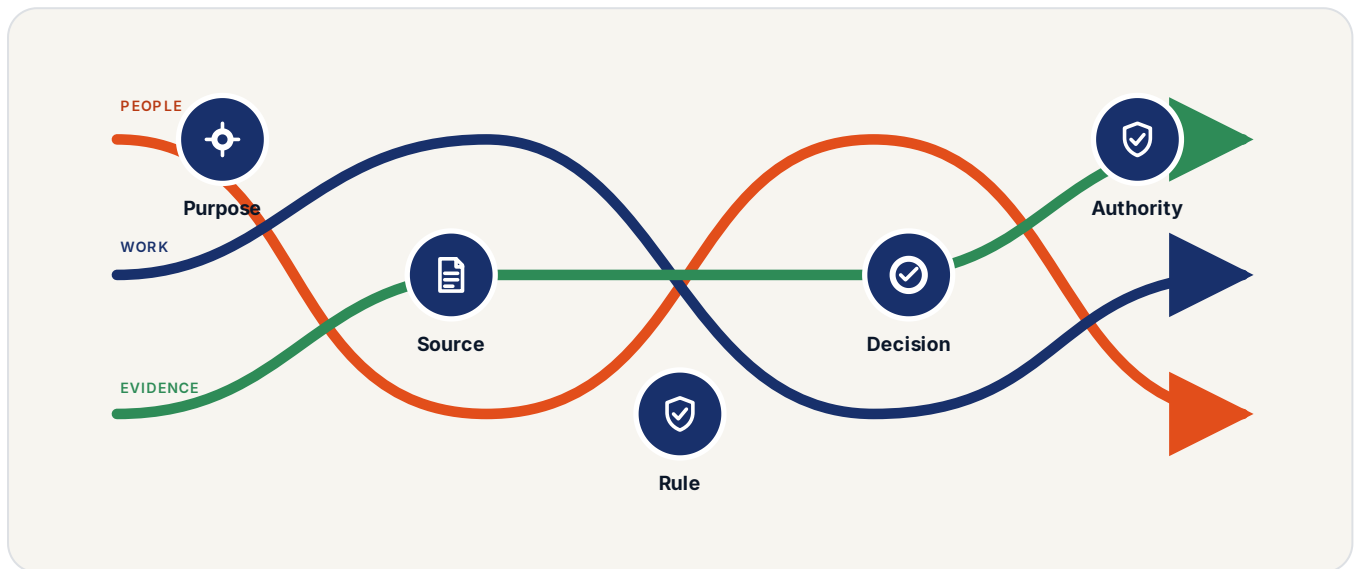
QUESTION TO CARRY

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

THE OPERATING MODEL

The control model around energy and utilities work

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



How to read this visual: follow a grid balancing event through the operating model.

MECHANISM

Name the controls behind the simple interface

The forecast model itself keeps working as before. Dweve wraps it in a deterministic layer that records every SCADA sample, every rule, and every operator action.

Every load forecast runs on a deterministic engine. Bit-exact replay across machines and releases. Same curve on the OT network, in the cloud, and on a laptop. No floating-point drift, no chip-dependent rounding, no model version drift.

- Purpose
- Source
- Rule
- Decision

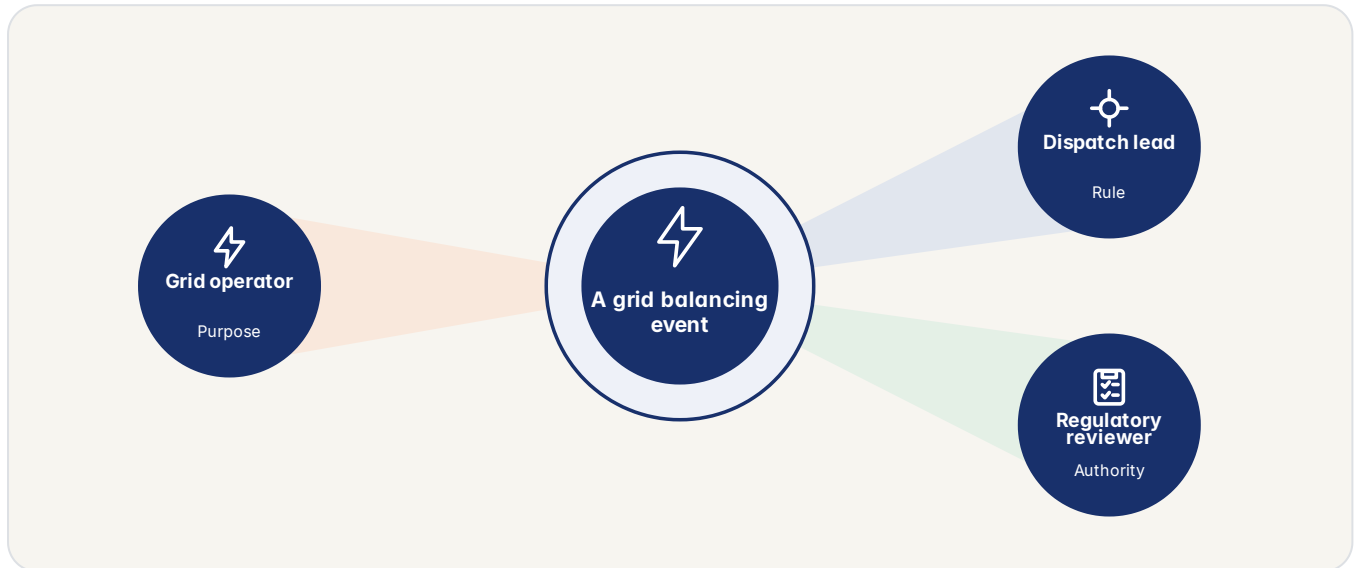
QUESTION TO CARRY

Who owns each control when the interface appears simple?

THE RESPONSIBILITY FLOW

People, energy and utilities 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 grid balancing event through the responsibility flow.

DECISION

Keep every hand-off attached to an owner

Cross-border exchange is no longer a paper trail. The dispatch, the rule, and the operator sit together on every flow.

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.

- Purpose
- Rule
- Authority
- Evidence

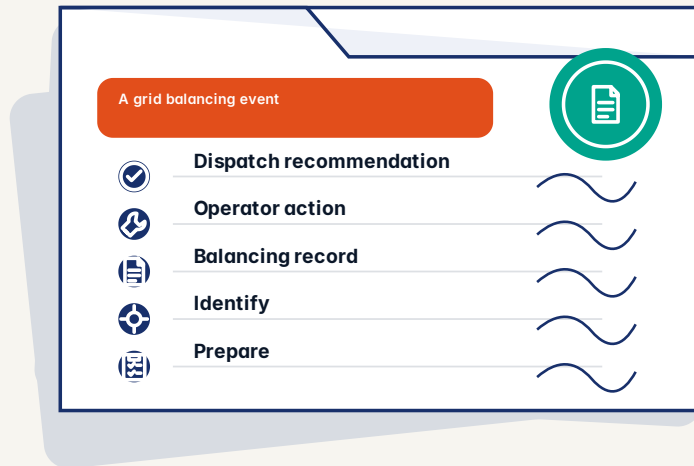
QUESTION TO CARRY

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

SOURCE TO RESULT

energy and utilities 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 grid balancing event through source to result.

MECHANISM

Keep the basis visible as the work changes form

When your utility uses Dweve, your dynamic tariff is not a guess. It is tied to a published tariff lane, a renewable mix you can read, and a named officer who can explain the bill. Plain language, EU data.

Every balancing dispatch and fault classification leaves a signed packet: the SCADA source, the rule that fired, the operator, and a bit-exact replay. The inspector opens one file and watches the same dispatch come back.

- Identify
- Prepare
- Apply
- Review

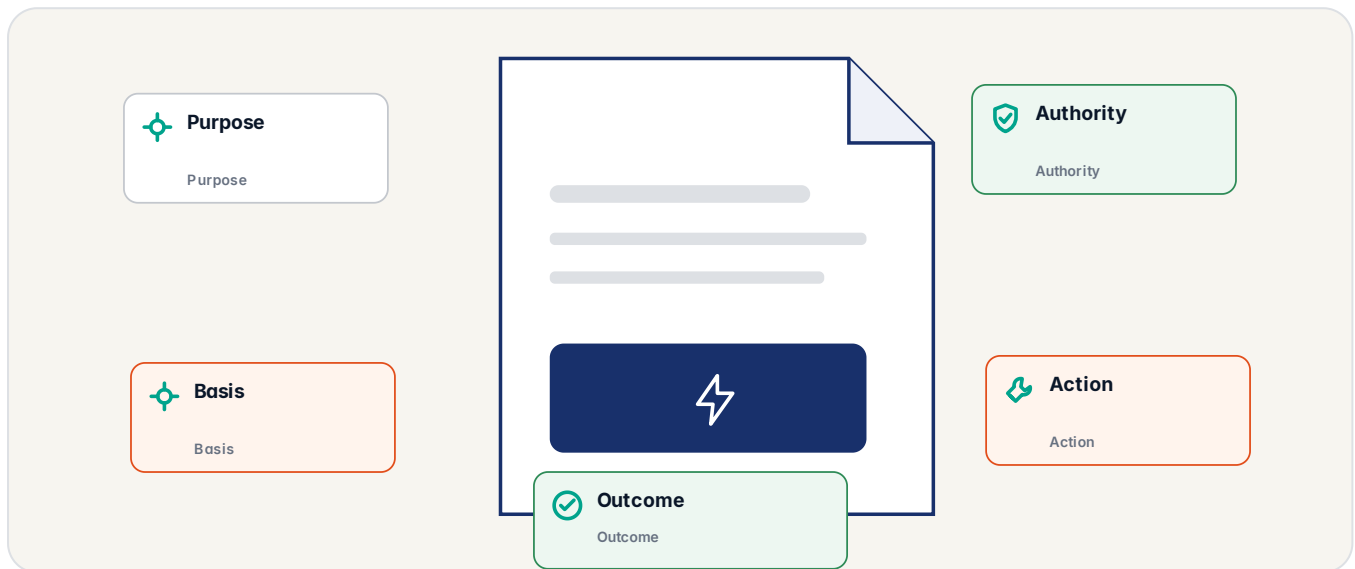
QUESTION TO CARRY

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

EVIDENCE PACKET

The evidence energy and utilities 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 grid balancing event through evidence packet.

DECISION

Preserve the record needed by the next question

When your utility uses Dweve, your dynamic tariff is not a guess from a machine. It is tied to a published tariff lane, the renewable mix in your region, and a named officer who can explain the bill.

Grid tariff lanes change with ACM, BNetza, and ENTSO-E updates. Every dispatch pins to a specific tariff lane version, so the replay reconstructs the rate in force on the day, not the rate current today.

- Purpose
- Basis
- Authority
- Action

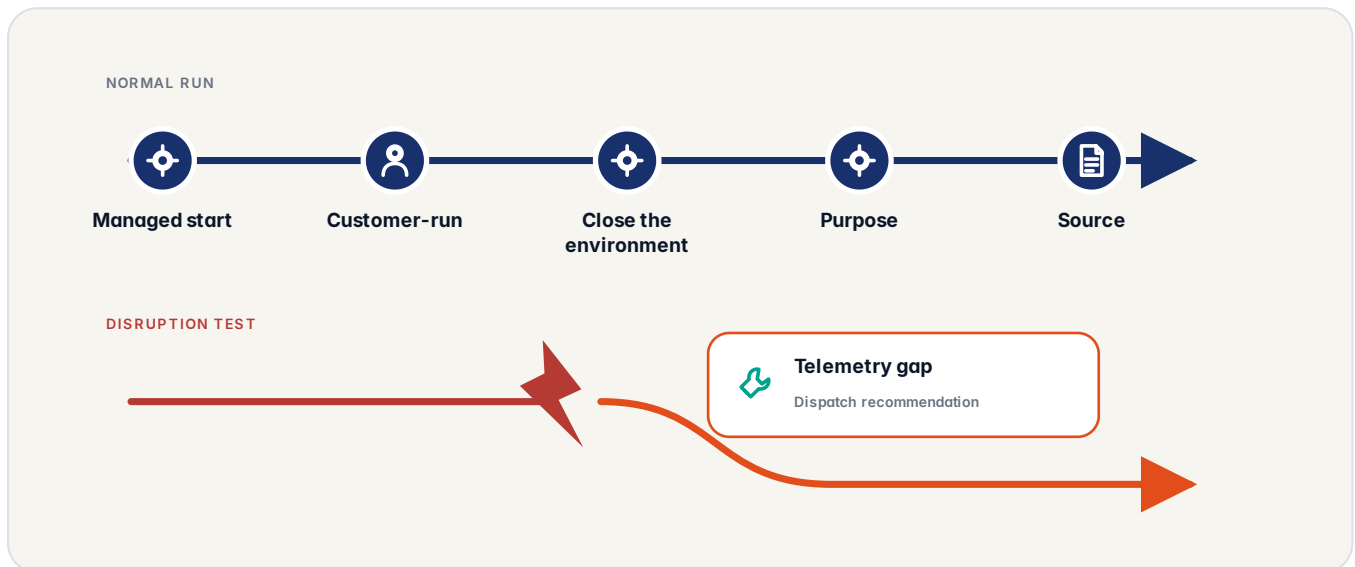
QUESTION TO CARRY

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

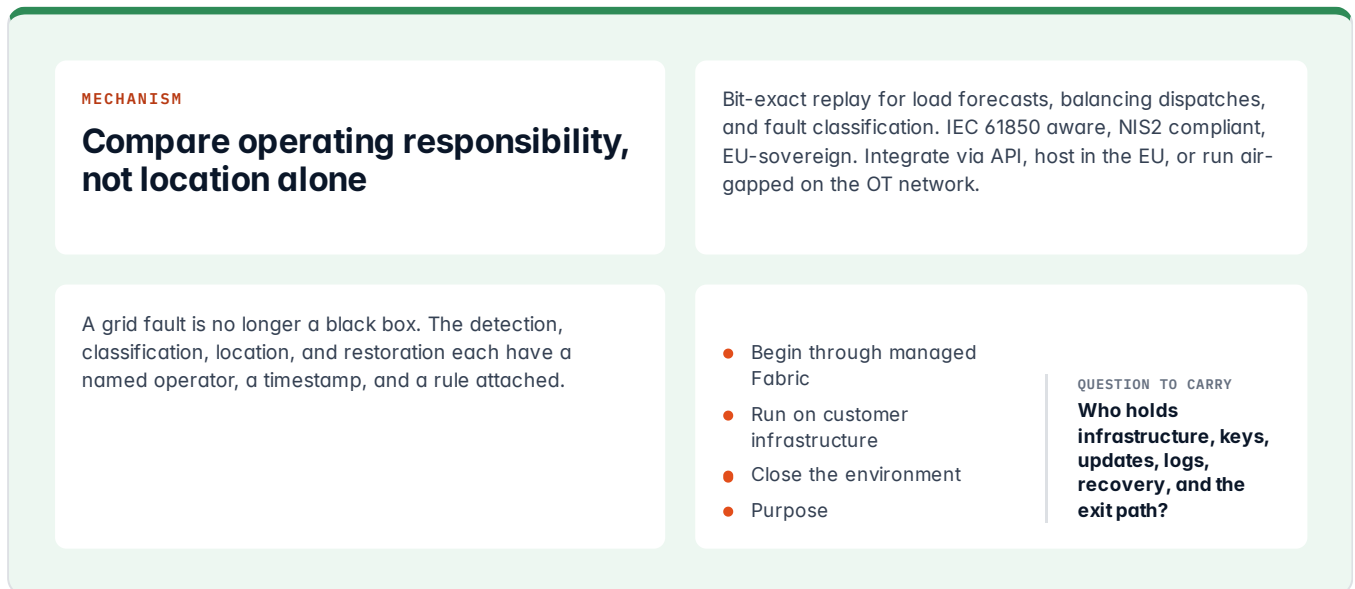
DEPLOYMENT CHOICE

Choose the operating posture for energy and utilities work

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



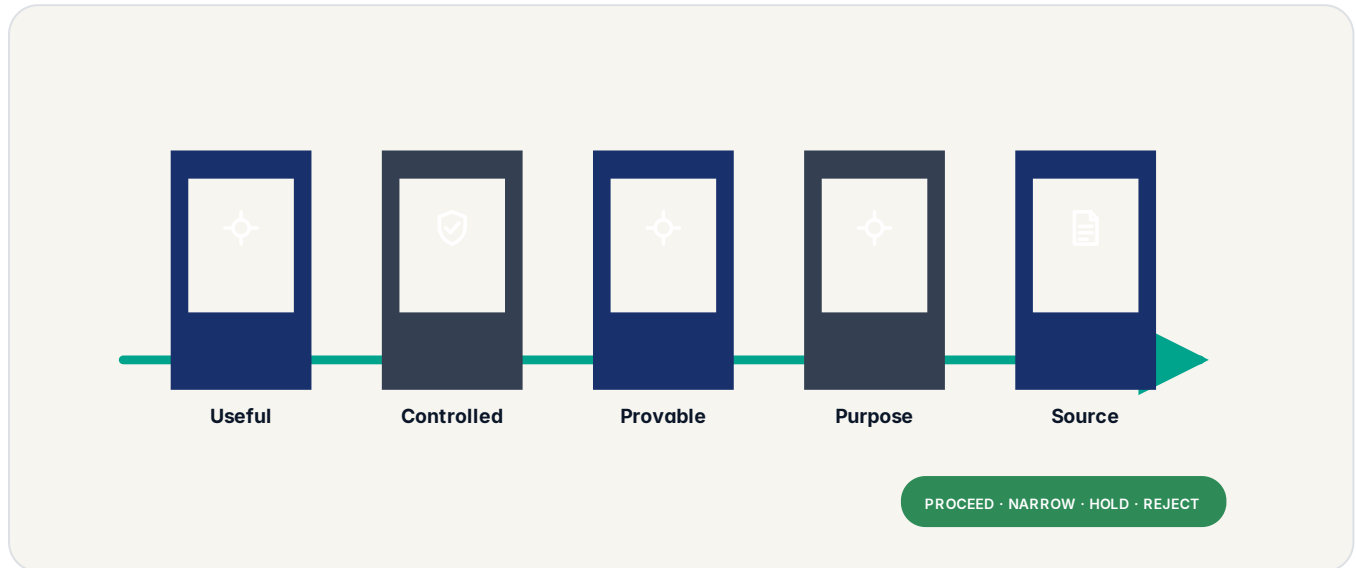
How to read this visual: follow a grid balancing event through deployment choice.



WHAT TO LOOK FOR

Signals that energy and utilities work is earning trust

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



How to read this visual: follow a grid balancing event through what to look for.

DECISION

Use signals that can change the next decision

M0,120 L40,108 L80,92 L120,68 L160,52 L200,48 L240,62
L280,78 L320,84 L360,76 L400,68 L440,80 L480,98 L520,114

M0,124 L40,112 L80,96 L120,72 L160,56 L200,52 L240,66
L280,82 L320,86 L360,80 L400,72 L440,82 L480,100 L520,116

- Useful
- Controlled
- Provable
- Purpose

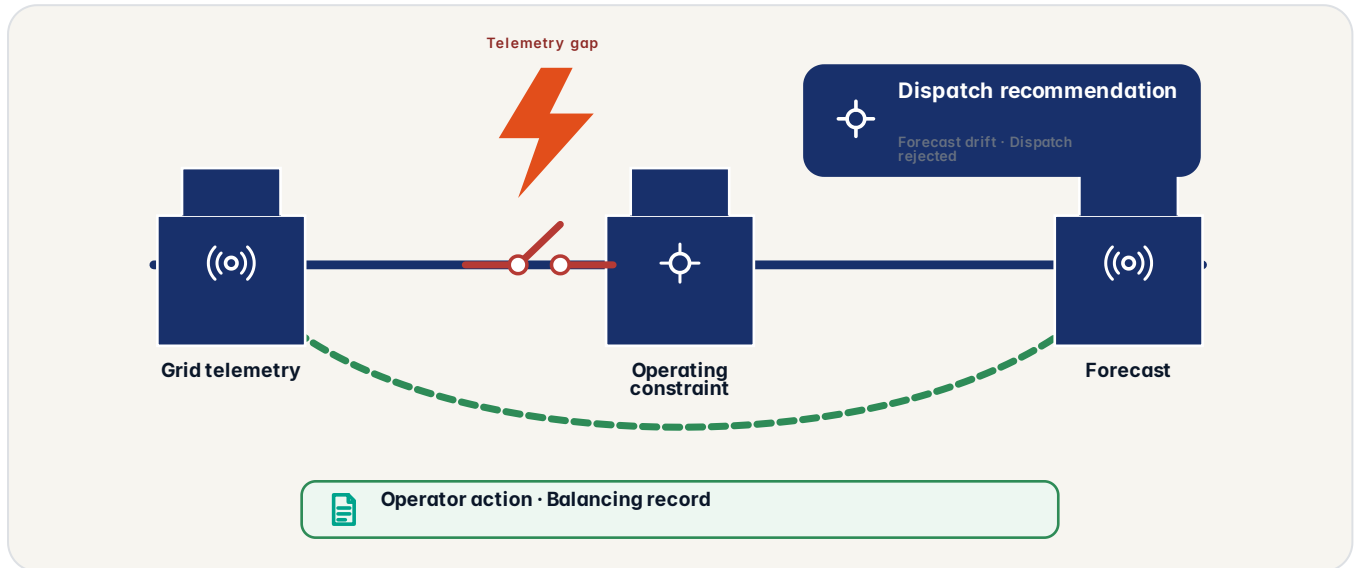
QUESTION TO CARRY

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

HONEST LIMITS

Test how energy and utilities 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 grid balancing event through honest limits.

MECHANISM

Design the failure before presenting the success

The grid is the easy part. Reconstructing the why of every balancing dispatch six months later, in front of an ACM reviewer, is the hard part.

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

- Telemetry gap
- Forecast drift
- Dispatch rejected

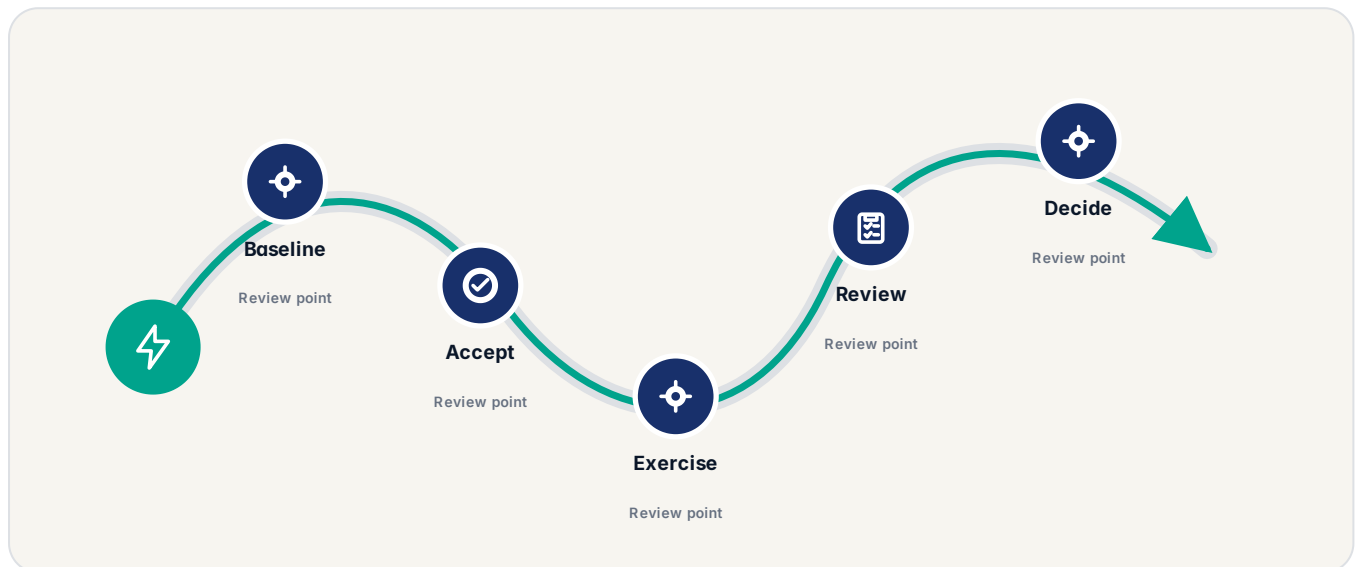
QUESTION TO CARRY

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

ACCEPTANCE PATH

Close the energy and utilities 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 grid balancing event through acceptance path.

DECISION

Close the proof with an owned decision

The dispatch stays inside your perimeter. The same platform scales from a single forecast pilot to a full SCADA-attached balancing pipeline without re-platforming.

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

- Baseline
- Accept
- Exercise
- Review

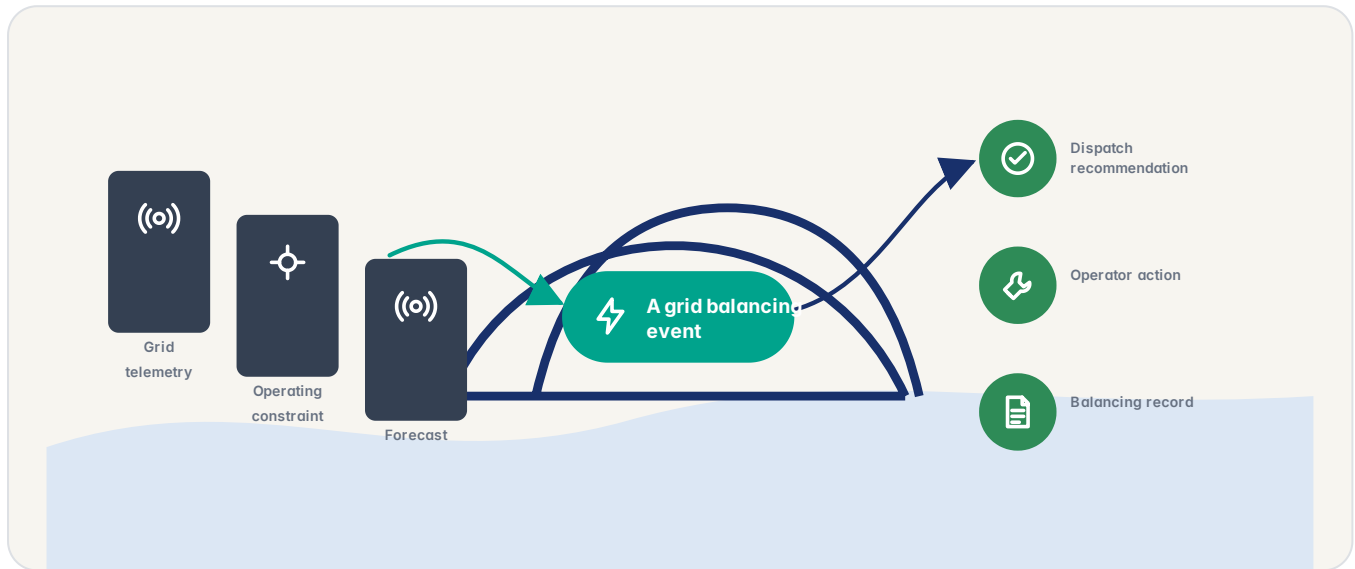
QUESTION TO CARRY

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

ADOPTION

Adopt energy and utilities 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 grid balancing event through adoption.

MECHANISM

Expand only what proved reusable

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.

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.

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

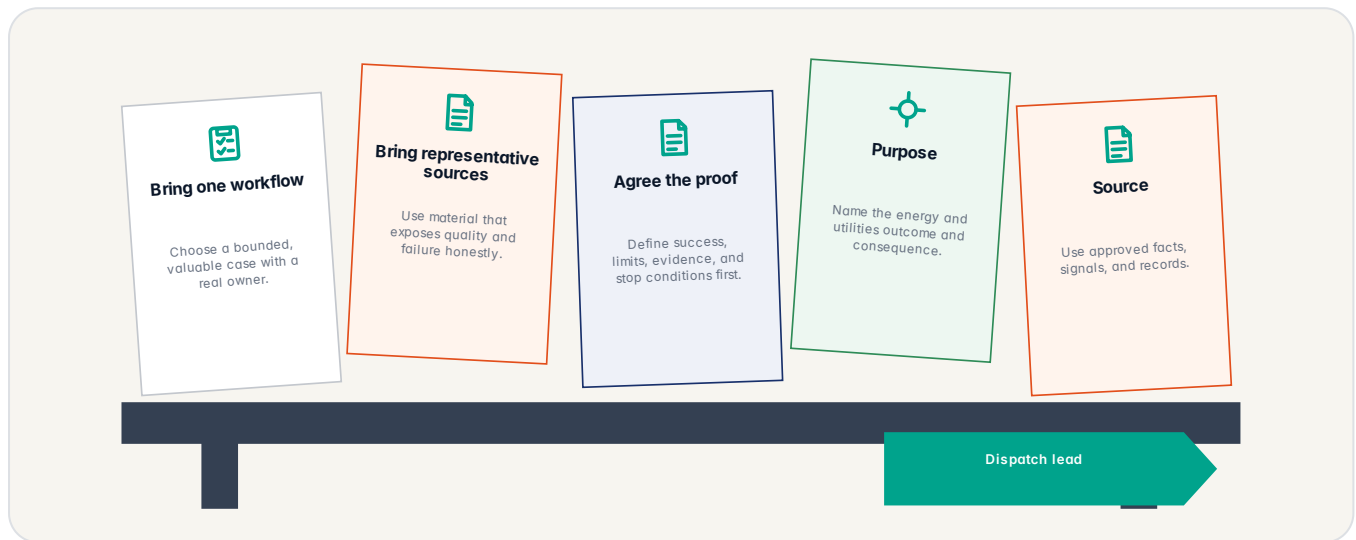
QUESTION TO CARRY

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

WHAT TO PREPARE

What to bring to the energy and utilities 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 grid balancing 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.

DECISION

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

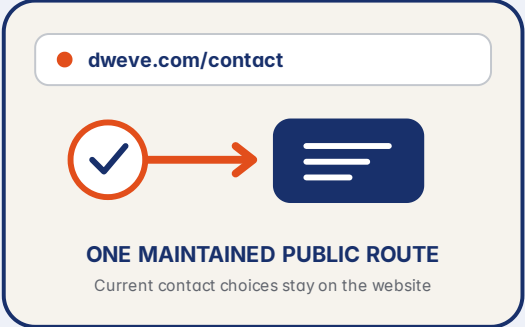
QUESTION TO CARRY

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

THE INVITATION

Continue the energy and utilities work conversation

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



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

MECHANISM

Turn the brochure into one bounded next step

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.

The energy saving is a consequence of binary compute. XNOR and POPCNT on FPGA fabric are orders of magnitude more efficient than floating-point matrix multiply on a GPU.

- 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?