

CHIMERA VISION
CONSTRUCTION / SITE INTELLIGENCE

Intelligence that focuses the site.

Observe. Focus. Verify.



Concept visual | Illustrative site workflow

A VISION FOR ADAPTIVE CONSTRUCTION INSPECTION

Read the site. Focus the next observation.

Connect site imagery, local intelligence and operator-approved collection. Explore how a broad site view could lead to the specific evidence a project team needs to review progress, changes and open questions.

PROGRESS / VISIBLE CHANGE / ASSET DETAIL / SITE CONTEXT

Cover: AI-generated concept visual. An illustrative, operator-supervised inspection workflow.

PURPOSEFUL COLLECTION

From a site overview to a question worth checking.

Construction teams work with a changing site and many viewpoints. Adaptive collection could make the next observation responsive to what the first view leaves unresolved.

01

PROGRESS REVIEW

Look closer at an open item

A broad capture may show that an area has changed without revealing enough detail to review it. Request a more useful angle, then associate the image with the relevant area and the project team's review question.

02

VISIBLE CHANGE

Give a change its context

Relate current imagery to an earlier survey or a supplied reference. Differences in viewpoint, lighting and occlusion should be considered before a visible change is treated as a construction finding.

03

COMPONENT DETAIL

Resolve an obscured view

A roof edge, facade feature or exposed component may be partly hidden in the first pass. Propose a supported camera adjustment or another approved viewpoint to obtain reviewable detail.

04

SITE CONTEXT

Connect detail to its place

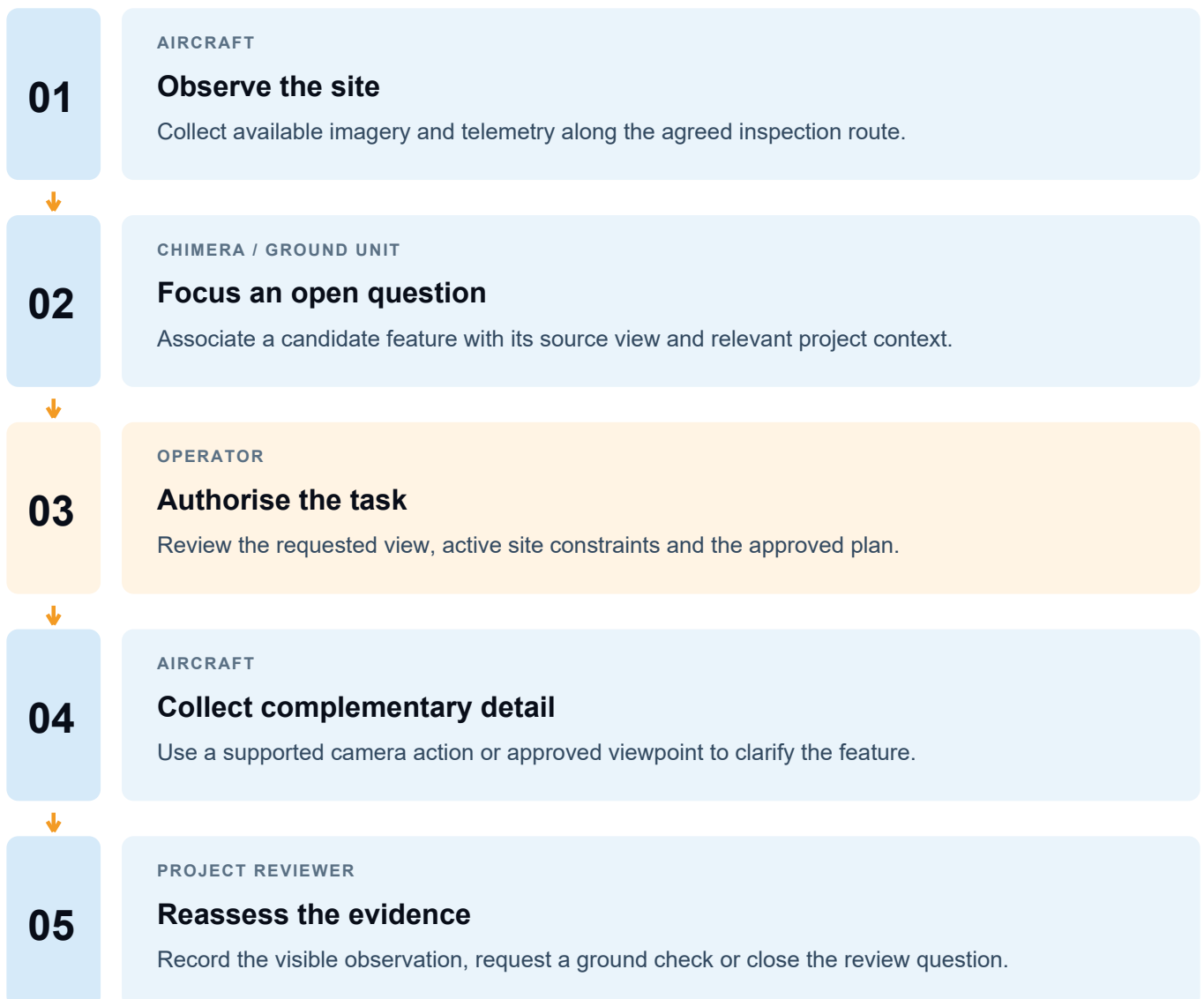
Link the observation to available geometry, site areas and dated records. A useful evidence package helps the reviewer understand where a feature sits and what still needs ground verification.

The aim: gather evidence that helps the reviewer answer the original inspection question.

OBSERVE. FOCUS. VERIFY.

A site observation. A more useful next view.

A proposed inspection loop in which local analysis helps focus collection and the operator authorises the action.

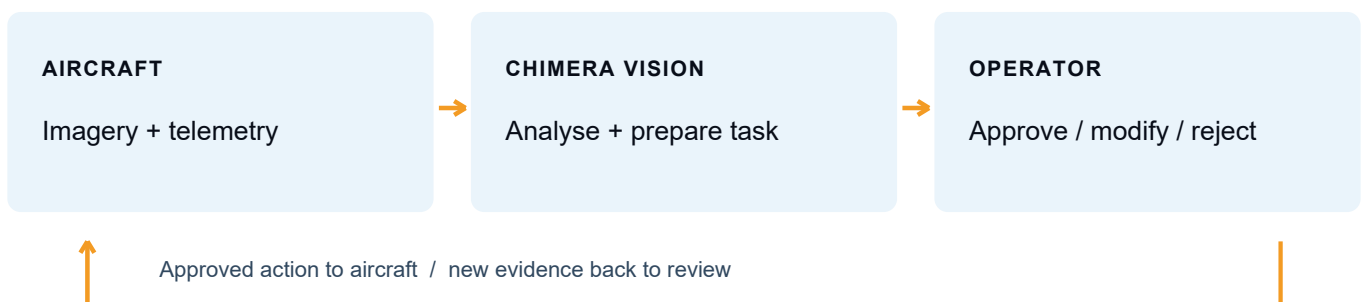


Proposed workflow. Collection depends on supported aircraft and payload interfaces, useful capture conditions and the operator-approved plan.

LOCAL INTELLIGENCE. CONNECTED EVIDENCE.

A local loop between observation and mission control.

The aircraft collects data. A ground unit beside the operator brings available evidence into analysis and helps prepare a purposeful follow-up.



Current and previous imagery

Dated RGB captures can support progress and visible-change review. Useful comparison depends on capture quality, viewpoint and a clear understanding of what was and was not visible on each visit.

Site models and references

Available survey geometry, supplied design references and site-area identifiers can help locate the observation. Their coordinate systems, versions and accuracy need to fit the intended review.

Local analysis and mission control

A ground unit beside the operator connects available image data to proposed follow-up tasks. Approved actions depend on the supported aircraft interface and the mission's operating constraints.

Local processing avoids cloud processing for this analysis workflow. It still depends on access to useful aircraft data. Link-loss and abort behaviour must be established with the flight system.

ILLUSTRATIVE SITE TASK

An obscured edge. A clearer review record.

The aim is to connect the image, the question and the follow-up, so a project reviewer can assess visible evidence in context.

Observation	The first view leaves a roof-edge detail partly obscured.
Question	Which angle would show the feature clearly enough for review?
Requested evidence	A complementary optical view with site-area and capture context.
Operator decision	Approve, modify or reject the task against the site and mission constraints.
Review outcome	A visible finding, a required ground check or a remaining evidence gap.

THE EVIDENCE PACKAGE

SOURCE CONTEXT The original image, date, site area and available position.	FOCUSED FOLLOW-UP A linked additional view and the reason it was requested.	REVIEW HISTORY The project reviewer's assessment and any further verification needed.
--	---	---

What makes a useful demonstration?

Evaluate whether the follow-up resolves the original visibility question and whether the evidence is traceable to the right location, time and project reference.

DEFINE THE EVIDENCE TOGETHER

Bring one site question. Define useful evidence.

Select a visible feature or progress question, agree on the project references and decide how the reviewing team will judge the result.

DISCUSS YOUR INSPECTION WORKFLOW

info@chimera.vision

chimera.vision

POSSIBILITY AND REAL EVIDENCE

Construction workflows in this paper are proposed applications. Platform integration and site-specific performance require validation. Visible-image review does not provide structural certification, engineering sign-off or a verified completion measurement.

The real field record: Strawberry 1

Chimera's published Strawberry 1 case documents an agricultural evidence workflow: repeated aerial reviews, ground observations and grower decisions. It is a real field-work foundation, not a construction deployment or proof of construction performance.

[Explore the Strawberry 1 case study](#)

SOURCE ACCESS

From Field Signals to Field Action - Strawberry 1 case study, April-June 2026.

Evidence and calculation appendix - 7 October 2026; provenance and evidence limits.

Technical context: [FHWA - Use of Small Unmanned Aerial Systems for Construction Inspection](#).

Cover: AI-generated concept illustration. Proposed applications are not evidence of a recorded sector deployment. Technical references provide context, not endorsement or Chimera performance results.

Chimera Innovation Inc., Victoria, BC | 8 October 2026 | Revision 1.0