

USE CASE

Copilots for image and document review

Target

Deploy targeted copilots to support engineering change review, modification tracking, and validation across imagery, technical documents, and program artifacts. Reduce review time and errors rates while keeping humans in the loop.

Challenges

Change management and modification tracking processes rely on manual review of technical drawings, schematics, inspection images, compliance documents, and revision histories. These workflows are time-intensive and prone to oversight.

- ⚠ Manual comparison across images and documents slows engineering cycles and introduces bottlenecks in review and validation workflows.
- ⚠ Inconsistent documentation standards and fragmented systems make it difficult to track modifications across teams and suppliers.
- ⚠ Limited traceability into how changes were reviewed and validated increases audit risk and reduces confidence in downstream decisions.
- ⚠ Automation tools without transparency create resistance from engineering teams who must remain accountable for final approvals.

Solution

With SeekrFlow™, enterprises can deploy targeted copilots that support human reviewers in engineering change and validation workflows.

AI copilots analyze drawings, images, CAD files, and documentation to highlight discrepancies, surface revisions, and flag potential compliance risks. Findings are presented with traceability into source files and detected differences, enabling engineers to validate and approve changes with confidence.

EXAMPLES

- Compare drawing revisions and automatically highlight dimensional or material changes.
- Analyze inspection images to detect deviations from approved specifications or prior builds.
- Flag missing validation steps, incomplete approvals, or inconsistent documentation.

Impact

- ☑ Reduce engineering review cycles and accelerate time to validation.
- ☑ Strengthen audit readiness with transparent, traceable review support.
- ☑ Improve cross-team coordination across engineering, quality, and compliance functions.
- ☑ Maintain human oversight while scaling review capacity through AI assistance.