

OpenText Aviator

Use case scenarios:
Research and development



Research and development scenarios



Investigation and recommendations

I'm a mechanical engineer digging through aircraft data to uncover the "why" behind the problem. With AI helping me surface insights hidden in docs, I crack the case faster and turn findings into smart, safety-first recommendations.

Let's go



Data research and analysis

I'm a data analyst digging into complex aerospace incidents. With AI supercharging my search, I connect the dots across video, audio, text, and more—turning scattered data into fast, actionable insights before the trail goes cold.

Let's go



Multiple information source search

I'm a data analyst piecing together the "Miracle on the Hudson." With AI scanning flight logs, reports, and recordings, I build a crystal-clear timeline and surface root causes faster than ever, with nothing left in the blind spot.

Let's go

Research and development made simple



Why it's hard today

- Time-consuming data gathering from multiple unstructured sources
- Difficulty locating past research, patents, and competitive intel
- Repetitive manual review of large technical documents
- Knowledge loss due to team turnover or siloed research
- Delayed decision-making from fragmented data access



Powered by OpenText

- OpenText™ Content Aviator™
- OpenText™ Aviator™ Search



Wins for everyone

- **Research/analyst teams:** Instantly retrieve relevant insights, saving hours of manual effort. Faster access accelerates innovation and decision-making power.

The big payoffs

▶ Accelerate investigations

Quickly connect data, reports, and media into a timeline—no digging, no delays.

▶ Eliminate manual searchings

Ask a question once, and AI finds the right data across systems, formats, and sources.

▶ Summarize insight with confidence

Get evidence-backed answers and source-linked summaries in seconds, not hours.

Let's get started...

Research and development

Speed up doc reviews and discovery by surfacing key details to resolve root case research.

Competitive intelligence

Rapidly analyze competitor documents, patents, and market data to support strategic moves.

Product management

Use AI to search and align product direction with research findings.

Regulatory and compliance

Quickly locate policy, standard, and certification documents across systems for audit readiness.

Innovation strategy

Unlock historical IP, trends, and breakthrough ideas by tapping into buried, unstructured content.

Build recommendations from safety data

I'm a mechanical engineer turning aircraft investigations into recommendations.

1 Kick off the case

Sample prompt: "What agency is responsible for reporting on air accidents in the US?"

Action: OpenText Aviator identifies the National Transportation Safety Board (NTSB) and surfaces all related documents.

Impact: Skip the search rabbit hole—get expert answers with source links in seconds.

4 Chase the turbulence

Sample prompt: "How can turbulence cause personal injury to a passenger?"

Action: Aviator surfaces an explanation and linked documentation from multiple sources.

Impact: See how cause meets consequence and connect conditions to real-world outcomes.

2 Dig into the details

Sample prompt: "How does the NTSB determine the probable causes of accidents?"

Action: Aviator outlines how causes are evaluated and links supporting docs.

Impact: Go from guesswork to grounded insight with all the context you need.

5 Summarize the story

Sample prompt: "Summarize the document."

Action: Aviator produces a concise summary for the reference document.

Impact: Cover more ground, faster—without reading every page.

3 Trace the trouble

Sample prompt: "What information do we have on metal fatigue in airplanes?"

Action: Aviator pulls detailed studies, including the *Fatigue and Damage Tolerance* report.

Impact: Follow the science to understand failure patterns before they repeat.

6 Turn insight into impact

Compile key takeaways from surfaced reports and summaries to produce data-backed recommendations for improving transportation safety.

Quickly deliver recommendations with AI-powered investigation

Unlock the possibilities:

- **Cut research time** by up to 70% using natural language queries.
- **Increase insight accuracy** with cross-source pattern detection.
- **Accelerate root cause reporting** from weeks to hours.

Go play now!

Investigate incidents across multiple complex data sources

I'm a data analyst investigating a complex aerospace incident.

1 Start the flight path

Using OpenText Aviator, a data analyst investigates a safety incident across technical reports, videos, and flight data to surface key facts, connect the dots, and uncover patterns without switching tools.

2 Launch with a query

Sample prompt: "Tell me more about the Boeing 737-9."

Action: Aviator scans your question, searches across flight data, and returns relevant specs.

Impact: Get grounded fast and know your aircraft before diving deeper.

3 Pick your best version

Sample prompt: "Tell me about Alaskan Airlines Flight 1282."

Action: Aviator returns a summary of the incident, links to reports, and pulls related context from multiple sources.

Impact: Go from scattered sources to a stitched-together story in seconds.

4 Dig in

Sample prompt: "Who were the aerospace engineers that investigated 1282?"

Action: Aviator finds named experts, roles, and structural reports all in context.

Impact: Cut through the noise—find the people and info that matter.

5 Compare patterns

Sample prompt: "Tell me about door separation incidents," and "Why did the pilot open the door on CHI06CA267?"

Action: Aviator surfaces historical reports, similar incidents, and detailed explanations with links to full reports.

Impact: Spot trends, not just data points, to build smarter insights.

6 From search to insight

Go from question to insight fast—no tool switching needed. Get transcripts, reports, and expert summaries in one place.

Quickly deliver recommendations with AI-powered investigation

Unlock the possibilities:

- Turn questions into decisions.
- Eliminate manual digging across multiple systems.
- Uncover linked insights from video, audio, and text.

Go play now!

Build a clear timeline from multiple data sources

I'm a data analyst investigating the "Miracle on the Hudson" incident.

1 It was really a miracle

A data analyst investigates the safety incident "Miracle on the Hudson" across multiple technical reports and flight data to summarize the timeline and pilot and tower communications.

Sample prompt: "Summarize the workspace"

Impact: Get grounded fast with everything you need in one view.

4 Get the full story

Sample prompt: "Give me a timeline of events after takeoff."

Action: Aviator summarizes cockpit recordings into a sequenced view of actions and comms.

Impact: From scattered transcripts to a story that writes itself (with a little help from Aviator).

2 Pull out the details

Sample prompt: "What were the initial findings or observations of the investigation team?"

Sample prompt: "How much flight time did the pilots have?"

Action: OpenText Aviator lists initial findings and connects them to supporting docs, then delivers total flight hours with attribution.

Impact: Answers backed by evidence—no flipping between files.

5 Now you go try it!

All 155 passengers and crew survived, and the event became a landmark example of expert piloting under pressure.

3 Ask what's next

Sample prompt: "When did the captain declare a mayday?"

Sample prompt: "Were there any communication transcripts between the pilots and air traffic control?"

Action: Aviator finds the exact moment: 15:27:33 as the airplane descended 3,020 feet. Then returns the second answer—62 transmissions—and opens the doc.

Impact: Zeroed in without searching folders or keywords.

See it in action!

Quickly uncover root causes with AI-powered investigation

Unlock the possibilities:

- **Cut research time** by up to 70% using natural language queries.
- **Increase insight accuracy** with cross-source pattern detection.
- **Accelerate root cause reporting** from weeks to hours.



 **Limitless**