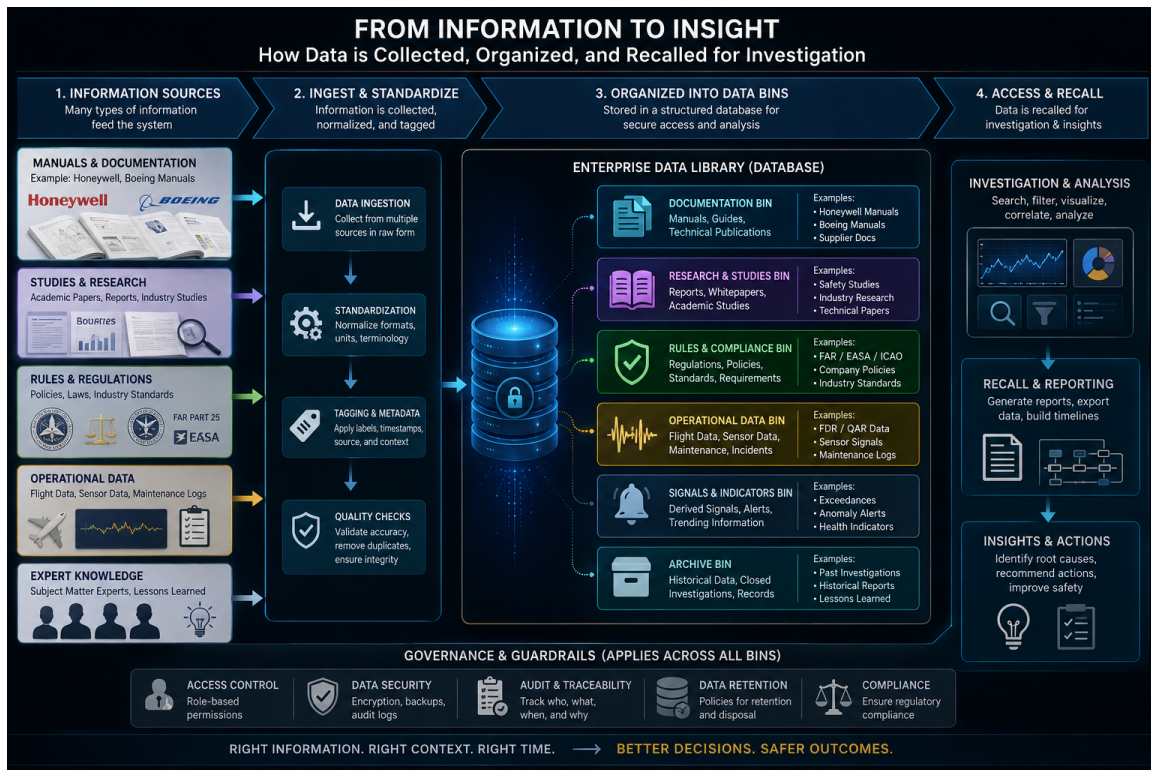




SDMR Platform Overview

How SDMR Turns Information Into Insight

This page explains how SDMR transforms fragmented information into structured, searchable intelligence that investigators can trust.

The accompanying workflow diagram illustrates the complete lifecycle of information processing, from data collection through investigation, reporting, and operational decision-making.

1. Collect Information

Every investigation begins with information gathered from many independent sources. SDMR is designed to ingest documentation, operational records, communications, regulations, and sensor data into a single workflow.

Typical sources include:

- Flight manuals and technical publications
- Maintenance records
- Regulatory requirements

- Research papers and industry studies
- Flight recorder data
- ACARS
- ADS-B
- Radar
- Satellite communications (BFO/BTO)
- Weather information
- Subject matter expertise

2. Ingest & Standardize

Raw information is collected, normalized, tagged, and validated. Metadata, timestamps, and source references are preserved to ensure traceability while enabling different data types to be analyzed together.

3. Build the Enterprise Knowledge Library

Rather than storing files in isolated folders, SDMR organizes information into a structured Enterprise Data Library. Documentation, research, regulations, operational data, derived signals, and archived investigations are categorized into dedicated knowledge bins, making retrieval fast, consistent, and repeatable.

4. Investigate & Analyze

Investigators can search, filter, visualize, correlate, and compare information from multiple independent sources within a single environment. Timelines, reports, and analytical views are generated from the same validated dataset.

5. Governance & Security

Role-based access, audit trails, retention policies, encryption, and compliance controls are applied across the platform to ensure data integrity and defensible investigative results.

Outcome

SDMR does more than store information. It transforms fragmented data into actionable intelligence, enabling faster investigations, higher confidence conclusions, and better operational decisions.