



One Foundation For Better Upstream Decisions

One source of truth. Every decision. Every time.

EDAFY Data establishes a governed information foundation for subsurface and operational workflows, across disciplines, giving teams clearer context, greater confidence and more time to create value.

Well

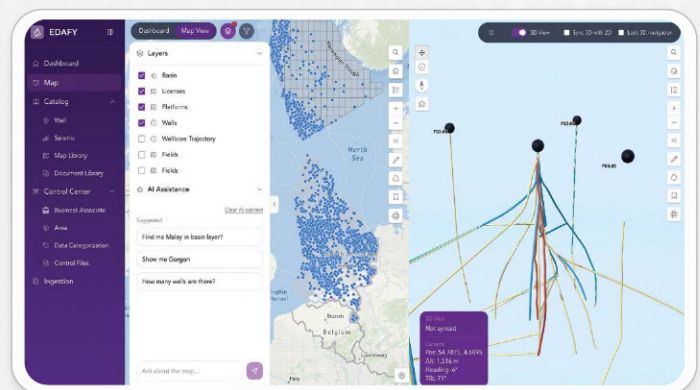
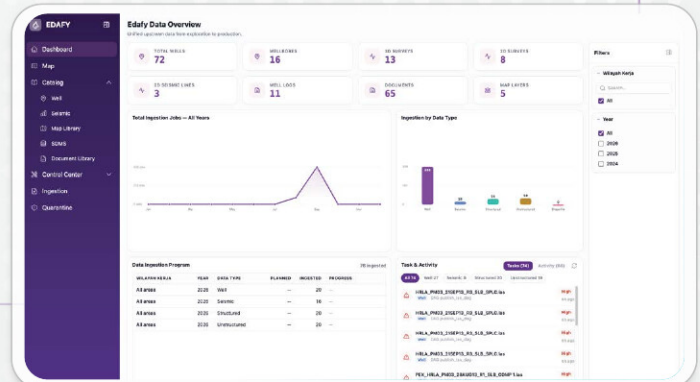
AI Data Management

Seismic

SDMS

Map Library

Document Library



Operational Challenges

E&P decisions depend on information spread across wells, seismic surveys, and other subsurface data domain. Yet this data often remains fragmented across legacy platforms, local repositories and inconsistent formats, making it difficult to determine what is complete, current and fit for purpose.

Technical teams spend valuable time locating, validating & reconciling information instead of interpreting it.



Duplicate versions & unclear ownership create uncertainty, rework & avoidable business risk.



Limited lineage & missing context make previous studies & interpretations difficult to trust or reuse.



Poorly governed data limits collaboration, reporting, advanced analytics & AI readiness.



Learn More
About EDAFY



Technical Capabilities

Built on the PPDM data model, EDAFY Data transforms complex upstream information into a governed, connected resource designed around the way E&P teams work:

Visualize E&P data in context

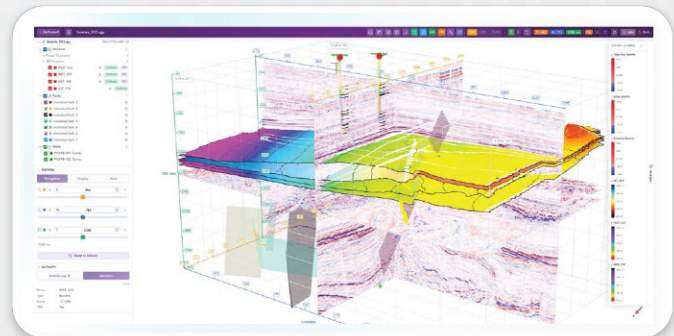
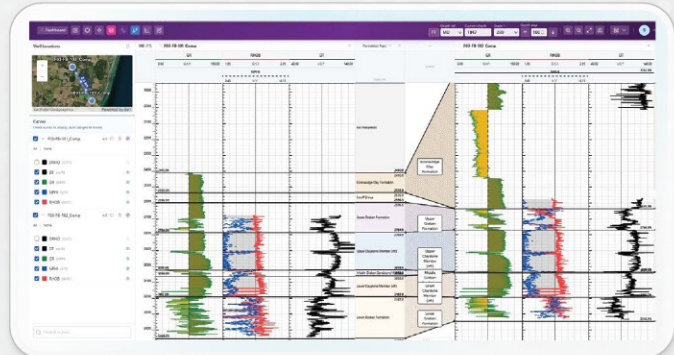
Explore 3D subsurface models and correlated well-log displays within integrated technical views.

Find information faster

Search, review and understand geoscience data through an intuitive web experience.

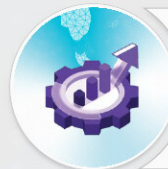
Tailor it to your business

Configure data structures and workflows to reflect your organization's processes, governance requirements and priorities.



Business Outcomes

EDAFY Data helps E&P organizations turn governed, connected information into better decisions, more efficient workflows & greater long-term value.



Increase technical productivity

Reduce time spent searching, validating & reconciling information, allowing specialists to focus on value creation.



Decide with confidence

Give teams consistent, current data with the context needed for technical & business decisions.



Strengthen collaboration

Connect subsurface & operational data across disciplines to create a shared understanding of assets & opportunities.



Reduce risk & rework

Improve quality, ownership & lineage so teams can identify trusted information & avoid duplicated effort.



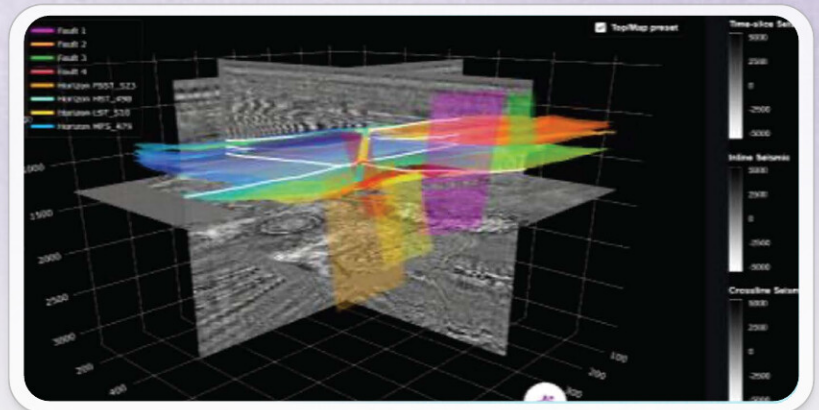
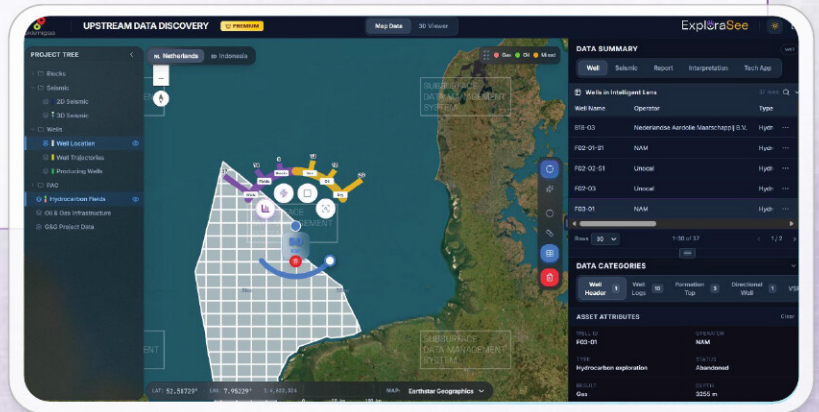
Enable scalable innovation

Establish a reliable data foundation that supports scalable digital workflows & future innovation with AI & analytics.

Upstream Data Discovery (UDD)

One discovery layer for every upstream dataset, from search to interpretation.

UDD turns scattered upstream data into one searchable, AI-assisted discovery layer on EDAFY.



Contextualize

Metadata enrichment ties each data set to its spatial and project context.



Discover

AI-assisted and spatial search surface the right data, projects and interpretations.



Deliver

Filtered data packages flow into the applications where geoscientists work.

One Platform

One Trusted Data View

Fast Discovery

Better Technical Decisions

Seamless Access

Geoscientists spend 60–80% of their time finding and preparing data instead of interpreting it.



Data stored in silos

Separate systems don't connect, so data is hard to combine and analyze.



Data tied to applications

Proprietary formats can only be read by the application that created them.



Data scattered across repositories

Teams search databases, applications, shared drives and project folders.



Learn More About EDAFY



Technical Capabilities

CORE PRODUCT — UPSTREAM DATA DISCOVERY

Intelligence Lens

An interactive discovery platform to explore, search and filter upstream data (wells, fields, blocks, seismic and reports) on one map.

Project Data Repository (PDR)

A centralized repository for interpretation and project data: horizons, faults, surfaces, geomodels, volumetric polygons and well markers.

Virtual Data Room (VDR)

A secure, web-based data room for sharing and evaluating hydrocarbon block data with investors in a controlled environment.

Virtual Data Infrastructure (VDI)

A scalable virtual infrastructure layer that hosts UDD and project deployments without significant infrastructure investment.

Seismic Compressibility & Streaming (VDS)

A high-performance platform for managing, streaming and accessing enterprise seismic, built on OSDU standards.



Within EDAFY, UDD links the NDR data foundation to the applications where geoscientists work.

APPLY Technical Applications

Petrel

PaleoScan

DS365

dbMap

iGLASS

Cegal

ArcGIS (AGC)

AVC Viewer

DISCOVER DDV — “The Eye”

Intelligence Lens

AI-Assisted Discovery

Radius Spatial Search

3D & GIS Visualization

PROCESS PDR — “The Processor”

Ingest → Process → Convert → Validate → Publish

Seismic to VDS

API - SDK - Automation

FOUNDATION NDR Framework & EDAFY data

Corporate Data Repository

Project Data Repository

Production

Seismic

Spatial

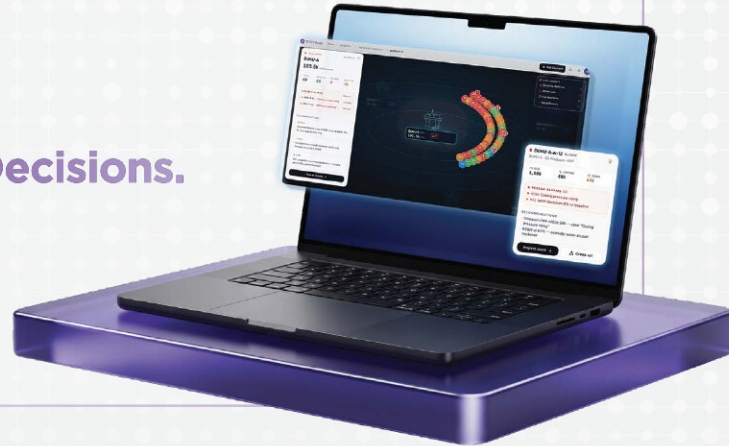
Wells & Logs

Reports

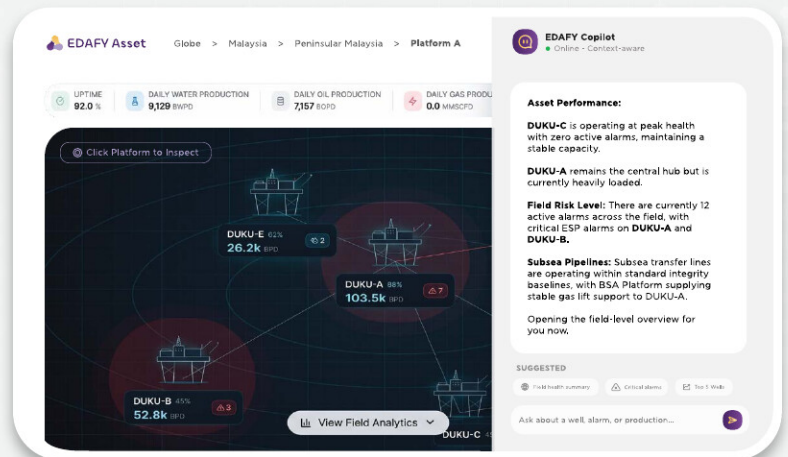


Connecting Data. Accelerating Decisions.

A unified upstream asset intelligence platform for surveillance, production optimization, and operational visibility.



EDAFY Asset connects field data, engineering workflows, and intelligent analytics to provide a unified view of asset performance. It helps operators detect problems earlier, optimize production, prioritize opportunities, reduce operational inefficiencies, and make faster, better-informed decisions across the asset lifecycle.



Operational Challenges



**Disconnected databases
& analytical systems,
siloe work.**



**Lack of visibility &
transparency among data
sources & users.**



**Excessive data
mining time & low
quality proposals.**



Learn More
About EDAFY

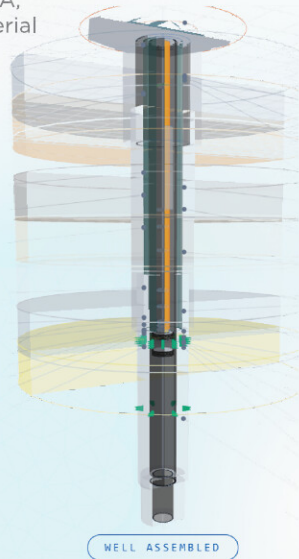


Technical Capabilities

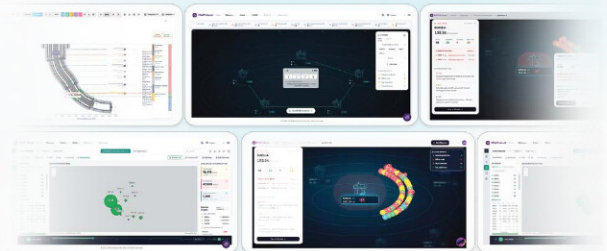
Built-in Industry's Analytical Solutions

(PTA, Nodal, Wellbore Schematics, CRM, DCA, diagnostic plots, Material Balance, etc.)

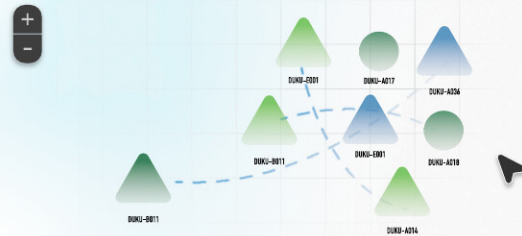
Cameron Wellhead Assem...
13.102" OD
Flow Coupling
2.875" OD
Flow Coupling
2.875" OD
Flow Coupling
2.875" OD
3-1/2" Short String Tu...
3.5" OD
X-Nipple Landing Profi...
2.875" OD
OTIS X Landing Nipple
2.875" OD
Sliding Sleeve Port Ma...
2.875" OD
OTIS XN No-Go Nipple
2.875" OD
Burst Joint
2.875" OD
EOT (Long String)
2.875" OD
PBR
4.5" OD
Seal Assembly
2.875" OD
Bulken Upper Perforati...
3068 MP
Perf Cluster - Zone 1
4500 MP



Customizable Interfaces



AI Native Workflows & AI Agents



Business Outcomes



Reduce manual data mining time by >75%



Improve visibility & decision-making across operations

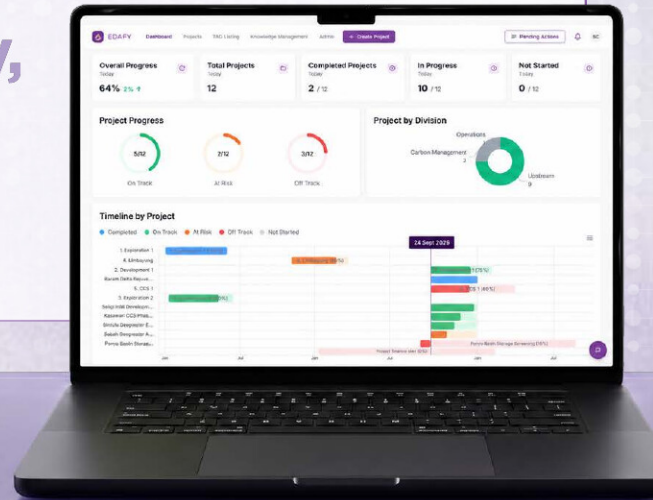
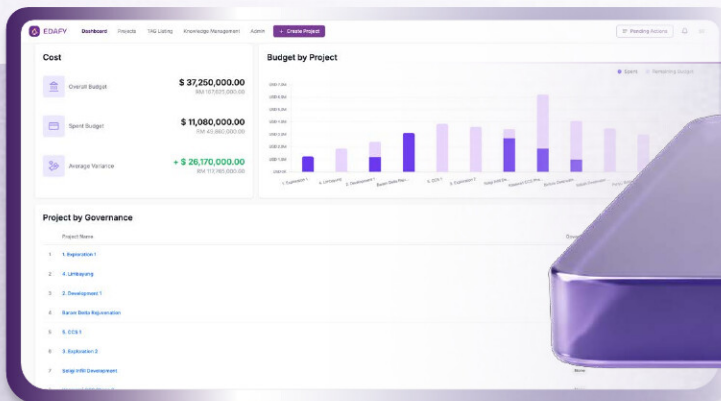


Identify opportunities in seconds



Upstream Project Delivery, Connected End to End

One platform. Complete Visibility. Smarter Decision.



EDAFY Plan brings project planning, execution, cost, resources, governance and reporting together in one integrated platform. It gives project teams greater visibility and control, helping them collaborate effectively, identify issues earlier and make better-informed decisions throughout the project lifecycle.

Exploration Project



Field Development



Asset Management

Operational Challenges



Limited Project Visibility

Critical project, cost, schedule and resource information is fragmented, making it difficult to see overall project health.



Cost Overruns & Schedule Delays

Budget pressure, scope changes, dependencies and execution disruptions increase the risk of late and over-budget delivery.



Poor Cross-Team Coordination

Internal teams, contractors, vendors and governance bodies often work with disconnected information, slowing alignment and decision-making.



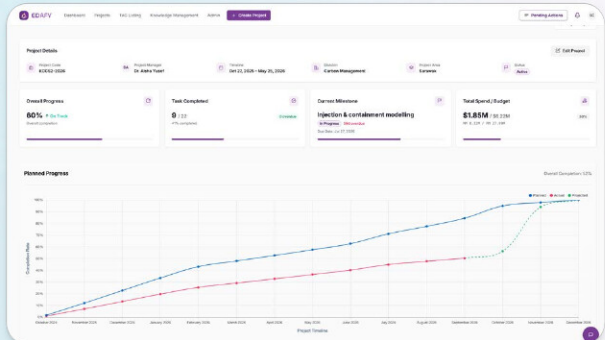
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About EDAFY



Capabilities and Solutions

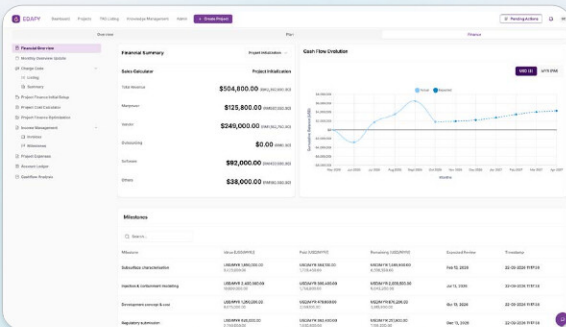
Executive Visibility & Project Control

Gives teams one view of progress, schedule, resources and project health for earlier intervention.



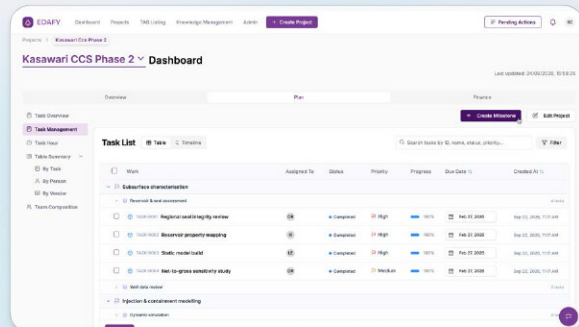
Financial & Risk Control

Connects budget, cash flow, resources and risks so teams can detect issues earlier and protect project value.



Governance & Collaboration

Aligns teams, vendors and stakeholders through shared workflows, approvals and accountability, improving coordination and decision-making.



Business Outcomes



Faster, More Proactive Decisions

Gives stakeholders earlier visibility of issues, enabling faster intervention before delays, cost overruns or risks escalate.



Better Project Delivery Performance

Improves coordination across schedule, cost, resources and risk, helping teams keep execution aligned with project objectives.



Stronger Control & Accountability

Creates clearer ownership, governance and financial visibility, improving compliance, stakeholder confidence and overall project oversight.

BasinHub

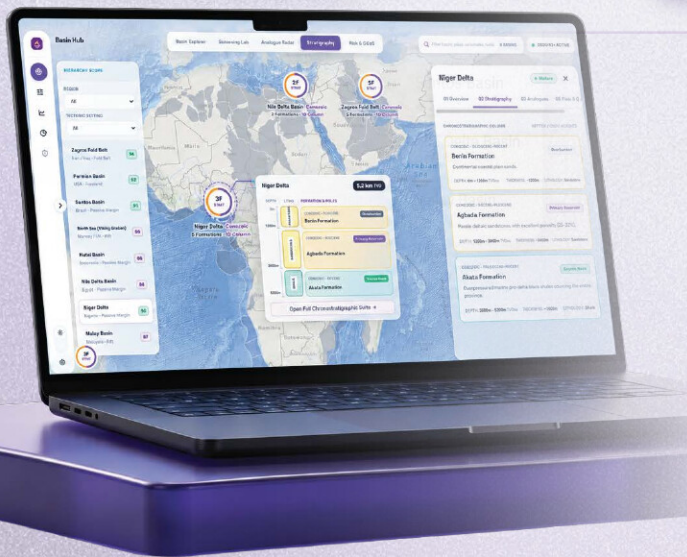
G&G Analytics and Insights

Explore Faster. Decide Smarter.

Data
Unification

Basin
Scoring

Decision
Insights



Basin Hub brings subsurface, risk and commercial information together in one platform, giving exploration teams a clearer view of opportunities across the exploration lifecycle. It helps teams evaluate opportunities faster, prioritise more effectively and make better-informed exploration and investment decisions.

Operational Challenges



Fragmented Exploration Data

Subsurface, economic and risk information sits across multiple systems, making integrated basin evaluation difficult.



Slow, Manual Screening Workflows

Teams spend significant time locating, cleaning and reconciling data instead of performing high-value geological analysis.



Weak Link Between Geoscience and Investment Decisions

Limited integration and poor GCoS visibility make exploration prioritization less consistent and more uncertain.



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About EDAFY

Capabilities and Solutions

Integrated Exploration Workspace

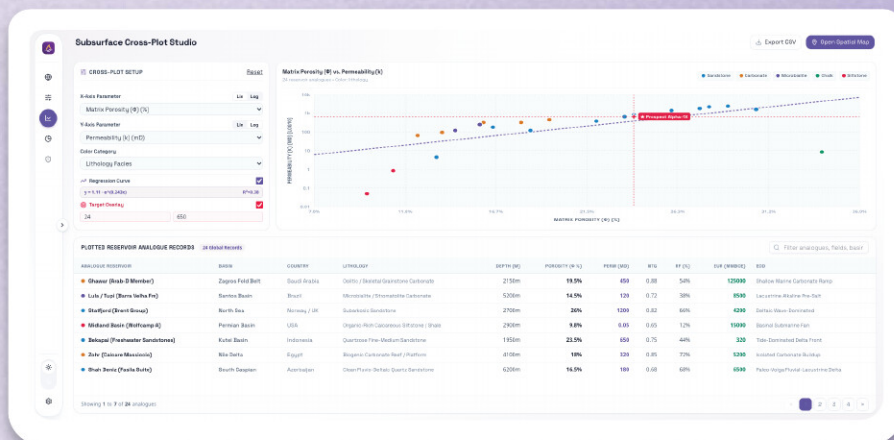
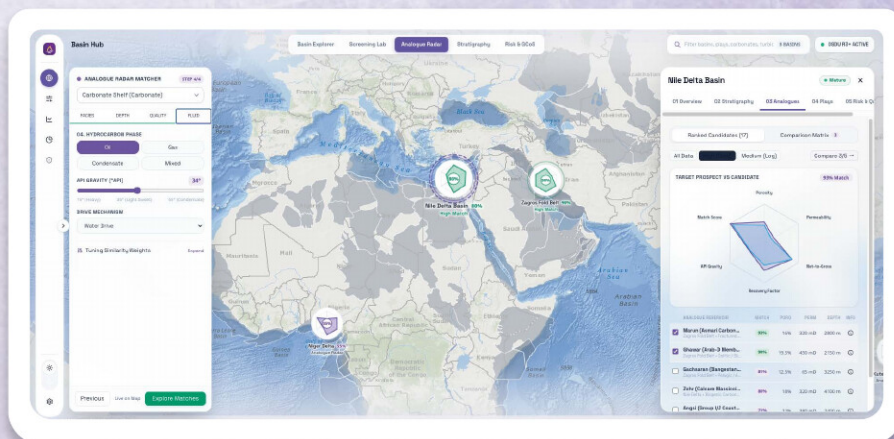
Brings subsurface, risk and commercial context together, reducing fragmentation and improving basin commercial feasibility.

Automated Analytics & Data Integration

Reduces manual data wrangling so geoscientists spend more time on interpretation and high-value analysis.

Decision-Focused Screening & Ranking

Connects basin screening and ranking to support faster, and more confident exploration decisions.



Business Outcomes



Faster Basin Screening

Cuts time spent gathering and reconciling data, allowing teams to evaluate opportunities much sooner.



More Time for Geological Analysis

Shifts effort away from manual data wrangling toward higher-value interpretation and exploration thinking



More Confident Exploration Decisions

Improves visibility of risk, GCoS and opportunity context, supporting better prioritization of exploration investments.

GeoNexus

Subsurface Insights for Field Development

Connecting subsurface intelligence for smarter reservoir development decisions.

Captured Knowledge

Connected Insights

Confident Decisions

Geo Nexus transforms fragmented knowledge buried across reports into connected document intelligence, enabling reservoir teams to uncover insights faster, preserve critical expertise, and make more informed development decisions.



Operational Challenges



Fragmented Subsurface Knowledge

Technical knowledge is distributed across multidisciplinary reports, legacy studies and disconnected repositories, making relevant information difficult to locate and consolidate.



Loss of Technical Context and Expertise

Critical assumptions, interpretations and project learnings are often lost between study phases or when experienced personnel leave the project.



Limited Decision Traceability

Teams struggle to connect technical observations with previous decisions and outcomes, limiting their ability to evaluate opportunities with sufficient context.



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About EDAFY

Capabilities and Solutions

Connected Knowledge Hub.

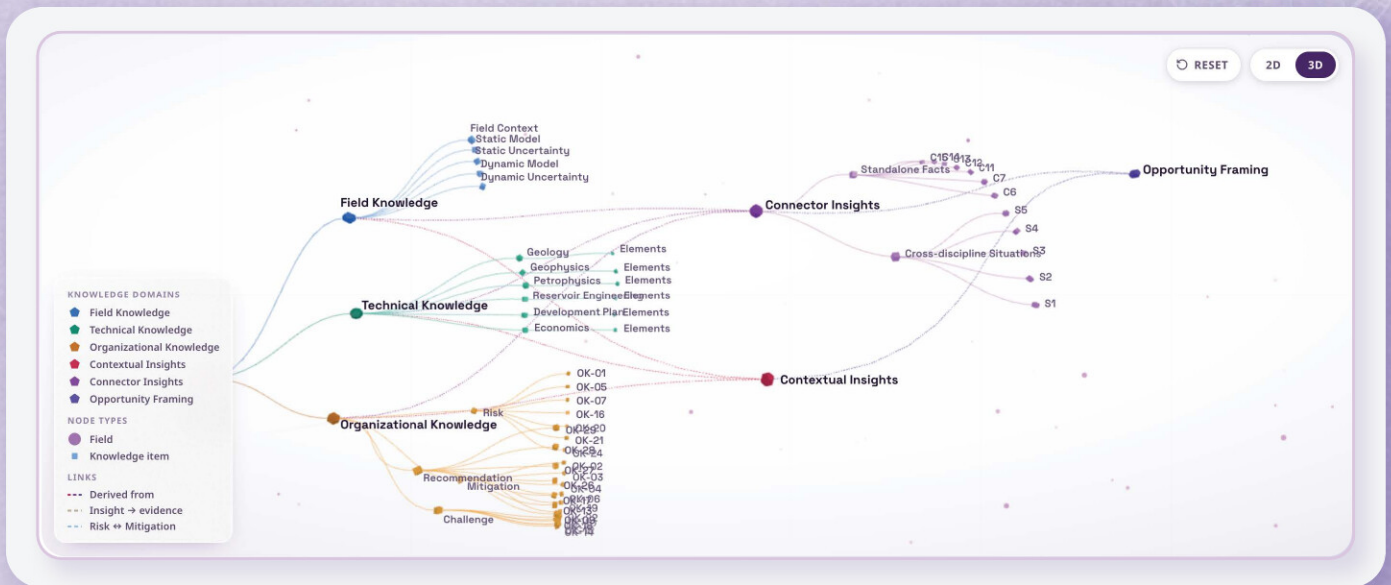
Structures multidisciplinary field knowledge across geoscience, reservoir engineering and development studies.

AI-Powered Knowledge Extraction.

Extracts technical findings, assumptions, uncertainties and lessons with source-level traceability.

Decision Intelligence.

Connects observations, decisions and outcomes to support opportunity framing and reservoir development.



Business Outcomes



Accelerated Technical Evaluation

Reduces the time required to locate, review and consolidate multidisciplinary subsurface information, enabling geoscientists and reservoir teams to evaluate field conditions and development opportunities more efficiently.



Improved Knowledge Continuity

Preserves technical rationale, assumptions, and project learnings across study phases, supporting effective knowledge transfer during team transitions and future field evaluations.



More Confident Development Decisions

Provides traceable evidence, cross-disciplinary insights and historical decision context to support opportunity framing, uncertainty assessment and more informed reservoir development planning.

Rock Physics Template Explorer

Rock Physics Diagnostics & Insights

From Trusted Well Logs To Rockphysic Properties

Standardized
Knowledge



Scalable
Confidence



Connected
Workflows

EDAFY Rock Physics Template Explorer

turns trusted well data into consistent and reusable rock physics insights across the asset. By standardising workflows and preserving proven methodologies, it helps subsurface teams reduce repetitive work, improve consistency and make faster, more confident technical decisions.



Operational Challenges



Rock-physics workflows are **inconsistent** and **highly dependent on individual experts**



Localised rock physics model and **scalability limitations**



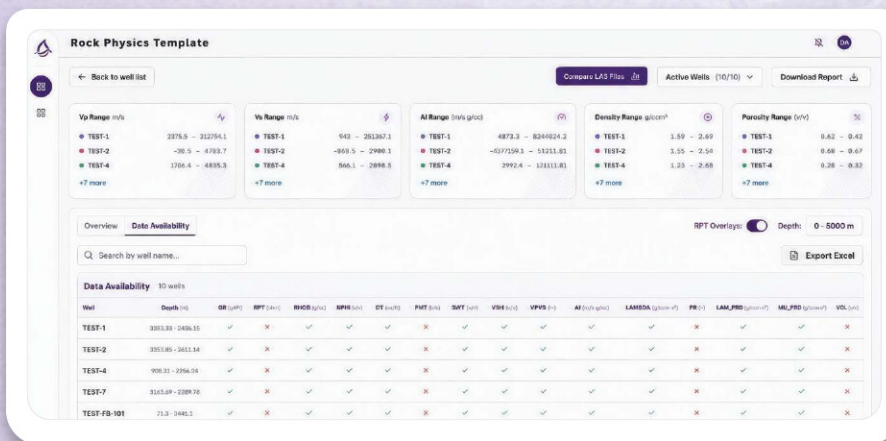
Well data, rock-physics outputs and disciplines are **disconnected**, causing **rework** and **weak traceability**



Learn More
About EDAFY



Capabilities and Solutions



Governed & Reusable Rock Physics Workflow

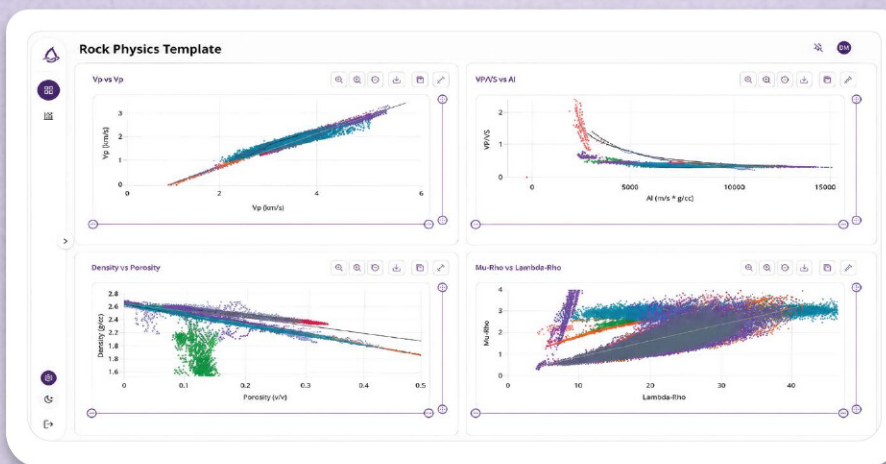
Standardizes methods, preserves expert knowledge, validates outputs and maintains traceability across users, wells and studies.

Scalable Template-Based Rock Physics

Extends calibrated models from key wells across portfolios with controlled propagation, QC and validation.

Integrated Subsurface Collaboration & Data Flow

Connects well data, rock-physics outputs and disciplines through shared records, governed data and standardized exports.



Business Outcomes



Faster Project Delivery

Reduces repeated manual work and accelerates rock-physics studies from weeks to days through reusable, standardized workflows.



Higher Decision Confidence

Improves consistency, validation and traceability of rock-physics outputs, giving asset teams greater confidence in downstream interpretation and modelling.



Reduced Operational Dependency

Preserves expert knowledge in reusable templates and governed workflows, reducing reliance on individual specialists and minimizing knowledge loss.

PRISM

Prospect Intelligence & Ranking

Bringing Every Opportunity Into Focus.

Connected Exploration

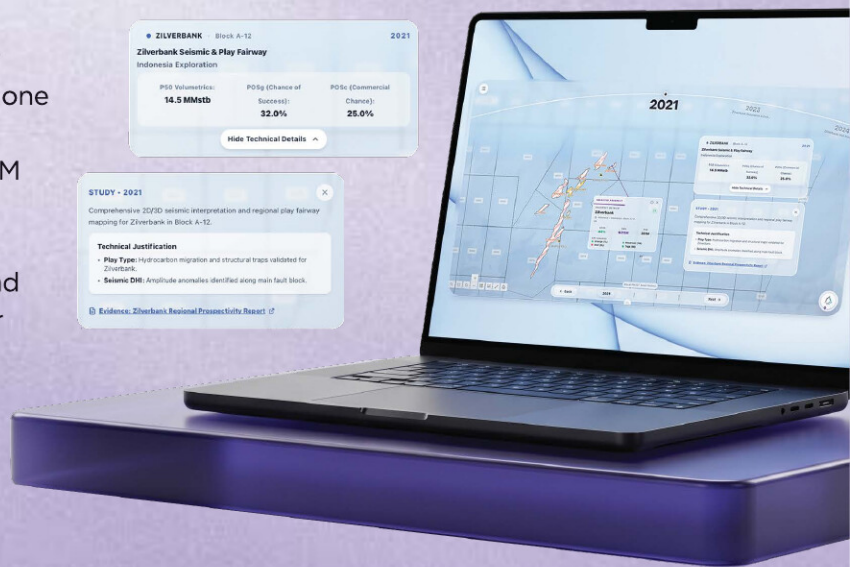


Intelligent Evaluation



Confident Decisions

PRISM is a connected exploration intelligence platform that brings play evaluation, prospect maturation, ranking, and portfolio insight into one trusted environment. Built for geoscientists, exploration teams, and decision-makers, PRISM connects geological understanding with risk, resource, and value assessment to help teams evaluate opportunities consistently, understand what drives each prospect, and prioritize their portfolio toward drilling-ready decisions.

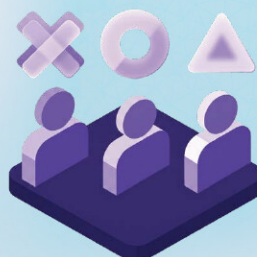


Operational Challenges



Fragmented Exploration Information

Risk assessments, maps, prospect data & portfolio views are often spread across disconnected tools and spreadsheets.



Inconsistent Opportunity Evaluation

Different assumptions and risking approaches can lead to inconsistent prospect assessments, making portfolio comparison & prioritization less transparent.



Slow, Difficult-to-Trace Reviews

Manual consolidation of files & presentations slows review cycles and makes it harder to trace what changed, when, & why.



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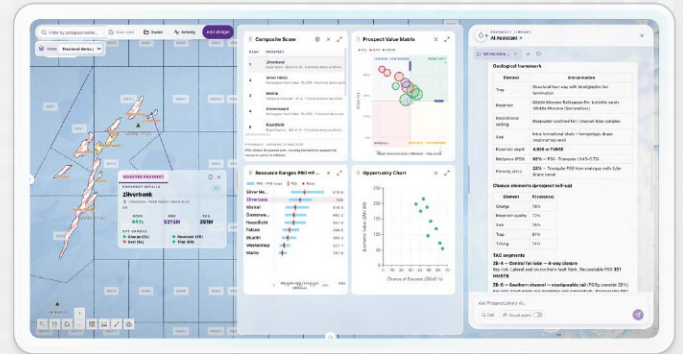
Technical Capabilities

One workspace, start to finish. Screening concept to sanctioned well, on the same risk elements & volumetrics throughout

Foundation for Scalable, Governed AI Adoption

The Prospect Inventory platform is built on a well-structured, quality-controlled data catalogue, because AI outputs are only as good as the data behind them.

With access controls & human-in-the-loop review built in, this foundation lets organizations scale AI-assisted screening, preserve institutional knowledge, & support decisions across the entire portfolio.



Connected Exploration Workspace

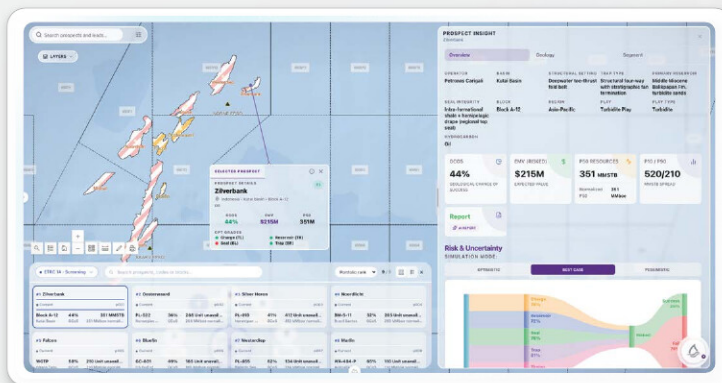
Connects play, lead, prospect, risk, resource, maps, and supporting evidence in one environment, creating a trusted view throughout prospect maturation.

Integrated Risk & Portfolio Intelligence

Links geological risk and resource assessment with portfolio comparison, helping teams understand what drives each opportunity and prioritize consistently.

Governed Decision Workflow

Screening to post-drill review in one audited pipeline, with the portfolio auto-ranked and explained in plain language.



Business Outcomes



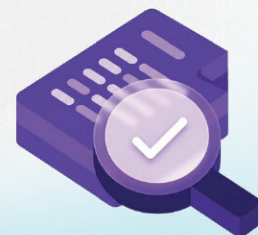
Clearer Portfolio Visibility

See risk, resources, & value across the portfolio in one view, giving decision-makers greater clarity on where opportunities stand.



Confident Prioritization

Compare opportunities on a consistent basis, helping teams align on where to focus technical effort & investment.



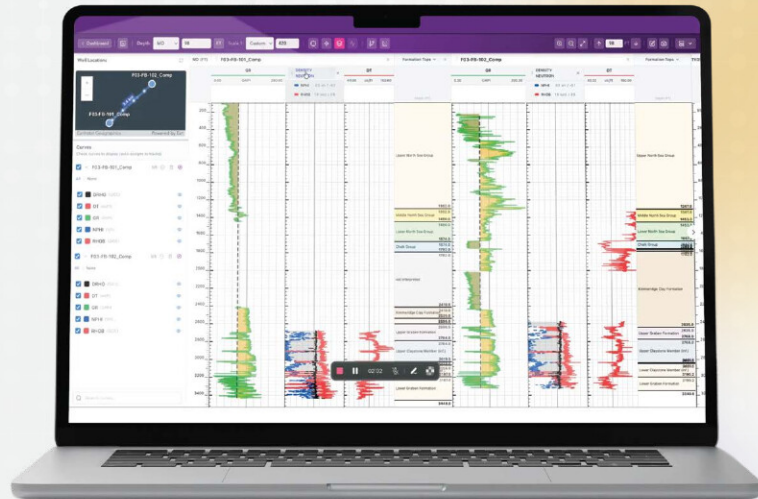
Faster, Traceable Decisions

Move through reviews with connected evidence & a clear decision history, reducing manual consolidation & improving confidence in every decision.

SaaS Based Subsurface Visualisation

Built for Oil & Gas and Native to the Web.

AVC Lumina is a SaaS platform specialised in vertical software solution for the oil and gas industry subsurface visualisation frameworks. AVC transform complex information into clarity, insight, and action. Built for students, lecturers and researchers as well as professionals (geoscientists, petrophysicist, engineers). it requires no installation and scales from a single laptop to an entire department.



Legacy subsurface tools are expensive, fragmented, & desktop-locked.

The industry is shifting toward cloud-native, AI-assisted interpretation & legacy vendors have not kept up. Meanwhile the students who will run these workflows in five years cannot get their hands on the software at all.



Legacy Tools

- Desktop-only licences, tied to one machine
- Fragmented, siloed modules
- Steep training curve before first result
- High total cost of ownership



AVC Lumina

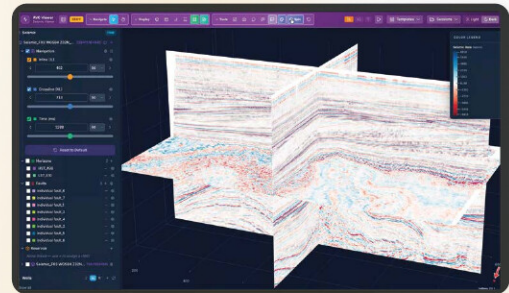
- Integrated 2D and 3D visualisation environment
- Cloud-native architecture, one suite
- Minimal training required
- Significantly lower total cost of ownership

What AVC Lumina Offers

Seismic Viewer

Interpret and visualise SEG-Y seismic data directly into your browser. Navigate 2D and 3D cubes, overlay horizons, & fault.

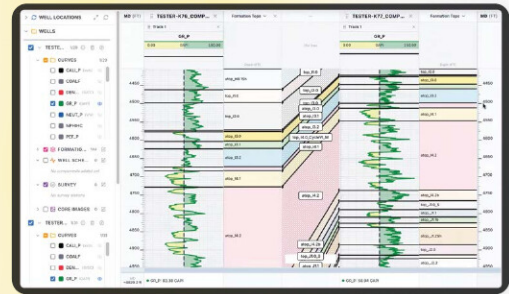
- Upload SEG-Y data for visualization
- 2D sections and 3D cube in one environment
- Cross-view sync across every open panel
- Horizon overlay on inline, crossline, and time slice



Well Log Viewer

Visualize and analyze well log data with full LAS file support. Track formation tops and log curves across single or multiple wells in one clean interface.

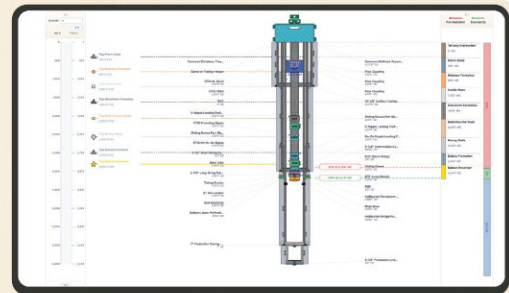
- Multi-well correlation panels, drag to reorder
- LAS integration with curve mapping on import
- Formation tops picked once, shared everywhere
- Depth and stratigraphic display modes



Well Bore Schematic

Draw deviated & vertical completions to scale, from survey data or from scratch.

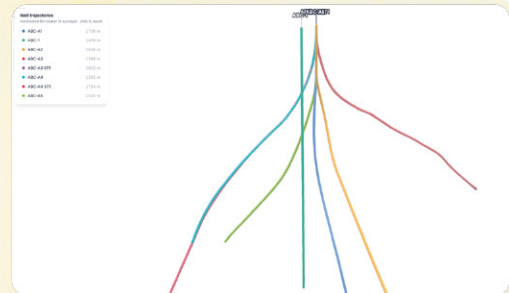
- Deviated and vertical well design
- Trajectory editor with survey import
- Component library for casing and completions
- Print-ready schematic export



Well Trajectory

Draw and edit well trajectory from survey data or from scratch to visualise on map.

- 3D plan view on map with survey station markers
- Overlay multiple wells on one map
- Overlay formation tops or casing points along the trajectory
- Search-and-jump to a specific well



Bring AVC Lumina to Your Classroom.

1

Learning module, built right in.

The learning module lives inside the viewer, guided lessons for students, teaching tools for lecturers.

2

Built for the classroom, not just the individual.

The learning module lives inside the viewer, guided lessons for students, teaching tools for lecturers.

3

Skip the onboarding. Start the learning

Industry-standard tools can take weeks of training before a student produces anything usable. AVC Lumina gets you to your first result on day one.