

Spotfire® for Energy

Industrial AI & Analytics from Reservoir to Refinery



Executive summary

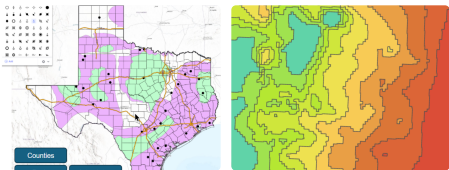
Spotfire is an Industrial AI & Analytics Platform that helps engineers and scientists across the energy sector move faster from data to decision. Hands-on extension points and AI-driven code and visualization generation let casual users and developers build fit-for-purpose, reusable applications spanning subsurface, geoscience, and asset valuation through production optimization and midstream/downstream operations — without waiting on specialist tools or IT.

Spotfire delivers an immersive, brush-linked experience for exploring data drawn from multiple energy-specific sources, visual components, and geospatial layers — letting users move fluidly across scales, from a single well to a full asset. That same analysis is one click from becoming a governed, interactive enterprise application on the Spotfire Server — instantly distributed to authorized users at scale, across massive data volumes. Powering it all is a run-anywhere, hybrid deployment model that integrates AI vibe-code developer environments while optimizing cloud and token usage, so scale never comes at the cost of efficiency.

Platform toolkit

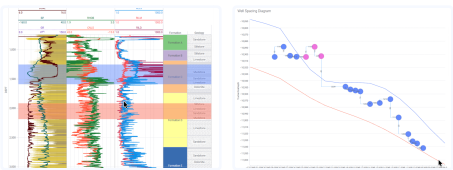
Connectors 20+ published energy connectors: LAS, OSDU, AVEVA PI, OPC-UA, SEG-Y, ArcGIS	Visualizations Well log, well spacing, wellbore, stiff diagram, 3D surface, rig calendar, Polar plot	Data Functions Geospatial, time series and data science packages in Python & R.	Actions One-click analytics: petrophysics, well trajectory, smoothing, well log templates, QC charts	Accelerators Persona-driven applications for drilling, production, trading, and midstream workflows	Spotfire Agents Ambient AI chat, insight agents, ecosystem agents, advisor agents, agent registry
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From reservoir to refinery



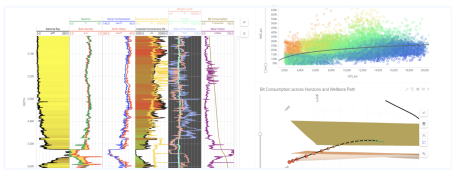
Exploration & Geoscience

- Multi-layer-maps, with data science calculations within and between layers, via interactive markings
- Geospatial Library:** spatial joins, buffers, grids, kriging interpolation, contours & heatmaps
- ESRI feature-layer integration & CRS transforms
- Data integration from multiple engineering personas



Well Logs & Well Spacing

- Multi-track **well log analysis** with formation tops, completions intervals, point values eg pressure by depth
- Spotfire Actions for petrophysics calculations
- Brush-linked production, deviation etc. on markings
- 3D Subsurface and gunbarrel analysis for well-spacing



Reservoir-informed Drilling & Completions

- Rig connectivity: WITSML / wireline streaming
- Rig state, bit wear modeling & frac monitoring
- Applications for trajectory planning and trip sequencing



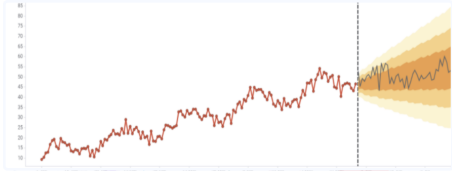
Production

- DCA forecasts, type curves, EURs and economics.
- Real-time equipment surveillance (artificial lift)
- Condition-based & predictive maintenance physics- based rules and alerts



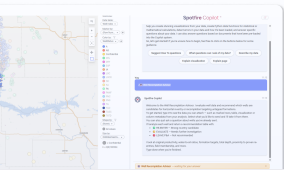
Midstream

- Visual data science analysis of pipeline hydraulics with monitoring, alerting & digital twins
- Physics-based pressure models (Darcy-Weisbach)
- DRA, energy & transport cost optimization



Downstream

- Time-series visual data science analysis of historian / time series data including MV anomaly detection, RCA, LSTM/ Autoencoder, forecasting
- Predictive maintenance: Reliability - Weibull cost optimization of maintenance intervals
- Process capability: CpK zones, DOE windows



Spotfire AI - Agentic Copilot; Insight; Advisory & Ecosystem Agents

Spotfire Agentic Copilot

chat with data, visuals, and workflows; AI-generated code and visualizations.

Insight Agents

automatic insight detection and explainable analyses in the visual UX.

Advisor & Ecosystem Agents

Well Completions Advisor; A2A, MCP (eg Databricks, **Snowflake**).



Enterprise deployment

Discover Insights. Surface Risks Early. Drive Operations Forward.

Spotfire unites geoscience, engineering, and operational data across the energy value chain, turning specialist-tool silos into one governed platform, with native analytical depth, embedded AI, and the agility to solve energy's most complex challenges faster.

Spotfire® is a visual industrial analytics platform that combines advanced analytics, industry-specific visualizations, and AI to help experts turn complex industrial data into trusted, actionable intelligence. ©2026, Cloud Software Group, Inc. All rights reserved. Spotfire, the Spotfire logo, Spotfire® Analytics, Spotfire® Industry Pro, Spotfire® Enterprise, Spotfire® Enterprise Advanced Data Services, and Spotfire® Enterprise Data Streams are trademarks or registered trademarks of Cloud Software Group, Inc. and/or its subsidiaries in the United States and/or other countries. All other product and company names and marks mentioned in this document are the property of their respective owners and are mentioned for identification.