pitney bowes

Location Intelligence
Oil and Gas Industries

Spectrum® Spatial for SAP HANA®

Make the big data-spatial connection.

Extract deeper insights.

Assets. Networks. Natural resources. The most important decisions you'll make involve location. And your ability to process more information faster can increase profits and shareholder value.

With Spectrum Spatial and SAP HANA, you can harness the full value of your business and location data to derive more precise conclusions. Gain real-time analysis to support seismic processing, data streaming, 3D visualization and more.

- Use all relevant data for more accurate results.
- Make ad-hoc queries without re-aggregation.
- Run multiple processes at one once.
- Monitor data from sensors in real time.
- Visualize results with detailed maps.

Unrivaled speed and agility

In-memory computing with built-in location intelligence puts the power of big data and spatial analytics right at your fingertips.

- Manage assets.
- Pinpoint resources.
- Boost productivity.
- Optimize field operations.
- Minimize volatility and risk.
- Communicate more effectively.

Tap into new possibilities every day.

Explore every option.
Perform seismic data processing, applying filters and multiple techniques across billions of data points. Quantify the potential of newly discovered reserves. Rapidly process the data needed to evaluate drill holes, bores and costeans. Gain precision with detailed 3D visualizations. Optimize drilling strategies based on real-time feedback, and drive maximum production from every well.

Protect your pipelines.
Analyze your sensor data in real time to measure tire pressure, wellhead performance and pipeline pressure. Process a continuous reading of streaming data to assess condition and detect leaks due to corrosion, material or weld failures. Instantly locate, analyze and mitigate risks. Minimize losses due to accidents or theft, and protect workers and the environment.
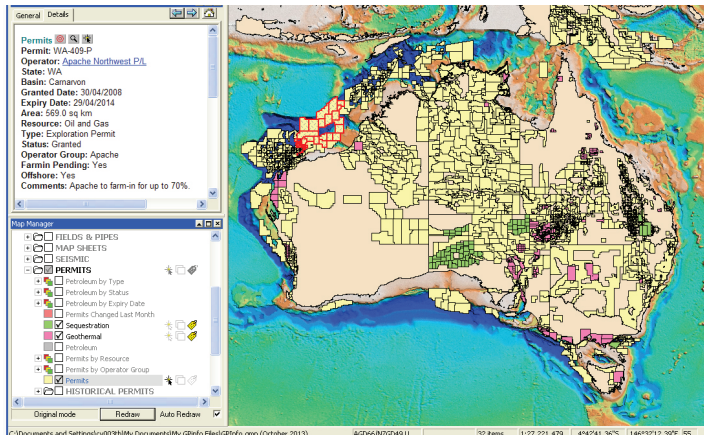
Power up your productivity.
Efficiently manage assets across far-flung geographies to avoid costly downtime and disruptions to production. Monitor equipment data in real time, and use predictive analytics to prevent component failures. Maintain or replace expensive capital equipment based on its actual condition, and eliminate the cost of unnecessary maintenance.
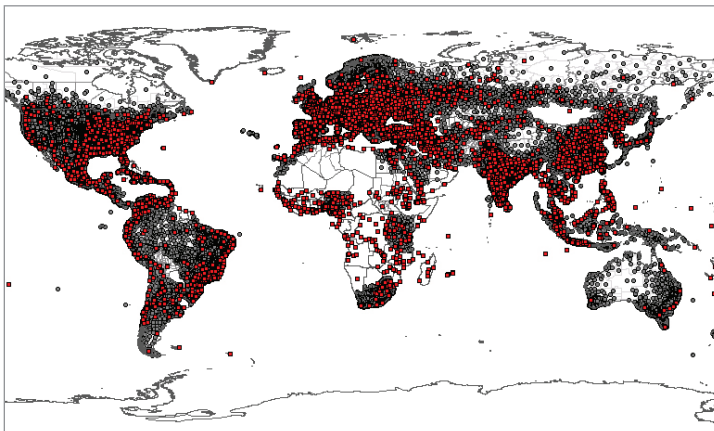
A ground-breaking platform for business and location intelligence

Discover GIS: Build geological datasets, produce high quality maps, analyze and visualize geochemical information, display GIS data in 3D, and capture and share GIS information in the field.

Self-service mapping and visualization: Explore the relationship between data and geography with detailed maps and graphics that help you identify patterns and trends. Create, build and share interactive maps, putting the power of location intelligence directly in the hands of users.

Spatial analytics: Analyze your spatial data to reveal relationships. Real-time calculations can be configured to solve complex business problems, using Find Closest Site, Find Point in Polygon, Find Nearest and Get Travel Cost. You can even build analytics directly into your business intelligence platform.

SAP HANA®: Big data in real time

SAP HANA transforms massive volumes of business and location data into actionable insights with astonishing speed. Its revolutionary architecture combines database, processing and analytics into a single, in-memory platform that frees your business from restrictive legacy systems and opens a whole new world of opportunities.

HANA's column-oriented, relational database management system handles high volumes and complex query processing on the same platform. A scalable data warehouse can migrate all business applications to one underlying database. Your company will benefit from:
• Faster performance.
• Quicker time to value.
• Easy configuration and fast deployment.
• On-premise, hosted or Cloud solutions.

Monetize all available data with speed and agility.

Global location data: Enrich your business data with the world's most comprehensive catalog of location, demographic and industry data. Plan pipelines with a clear view of populations, access routes and geographical hazards. Choose from more than 350 datasets covering 240 countries, including GPinfo, the most accurate database of Australasian petroleum permit information.

Global geocoding: Calculate precise geographical coordinates. Our unique approach to conflation and global data quality delivers more matches and fewer false positives, improving your ability to assign tax jurisdictions, optimize routes and measure distance. Quickly identify which news items, alerts and social media posts relate to your facilities and areas of interest.

Spectrum® Spatial:
Big data meets big world.
The Spectrum suite of location intelligence solutions from Pitney Bowes integrates seamlessly with HANA to help you discover complex relationships between physical locations and data. An intuitive interface and simple drag-and-drop tools make it easy to build and share interactive maps that bring your data to life.

Ready to drill down?

As the trusted source for location intelligence, we help organizations solve business problems by identifying precise, non-obvious relationships between locations and data.

Spectrum® Spatial for SAP HANA® combines processing power with built-in location intelligence so you can uncover new opportunities, speed innovation and sharpen your competitive edge.

- **Unsurpassed performance:** Process spatial and business data on the same platform, taking full advantage of the speed and agility of in-memory computing.

- **Speed and simplicity:** Develop maps and run analytics directly in SAP HANA. No additional steps or outside applications are required.

- **Exceptional accuracy:** Process huge volumes of disparate data to obtain the most precise results.

- **Real-time insight:** Instantly transform your data into actionable intelligence.

- **Consulting expertise:** Tap into decades of experience and proven approaches.

Learn more about what Spectrum Spatial for SAP HANA can do for your organization. Contact your Pitney Bowes representative or visit us online at pitneybowes.com.

For more information, visit us online: pitneybowes.com

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