

ZIWIGPT

Vertechs ZIWIGPT is an intelligent solution specifically for the digitalization of the oil and gas industry. It aims to resolve challenges such as inefficient knowledge retrieval, scattered and difficult-to-use data, and the difficulty of transferring expert experience. By leveraging Artificial Intelligence technology, the system enables the migration of industry expertise, intelligent management of engineering data, and automated processing of various documents. This liberates operational personnel from repetitive labor, allowing them to focus on decision-making tasks, while simultaneously enhancing operational compliance and safety, ultimately helping enterprises achieve cost reductions and efficiency improvements.



FEATURES

Expert Experience Migration

- Extracts critical information from unstructured documents (such as drilling logs, complex incident reports, etc.) within seconds to construct structured databases. Extraction accuracy exceeds

95%, saving 40% of professional personnel's time

- Performs intelligent searches across industry regulations and engineering standards, locating accurate answers from massive file repositories within seconds. Retrieval accuracy reaches 90%, significantly reducing manual search time

Engineering Data Management

- Provides full-process tracking and management for common issues in oil and gas data, such as missing values, errors, and inconsistent formats, continuously ensuring the accuracy, integrity, and compliance of critical data

Intelligent Document Processing

- Intelligently generates professional engineering documentation (Drilling Designs, Geological Designs, Mud Logging Reports, etc.). The generation cycle is shortened by more than 30%, substantially reducing manual intervention costs
- AI-assisted auditing of engineering logic and consistency errors. Document accuracy is improved by 50%, and review time is shortened by 40%

On-Premise Appliance Deployment

- Utilizes military-grade, high-performance all-in-one appliances for private (on-premise) deployment. The deployment form is flexible and controllable, ensuring data security and meeting industry compliance requirements. All data is stored internally within the enterprise

Workflow / System Integration

- Capable of deep integration with existing enterprise systems (such as exploration software, project management platforms, smart devices, and edge devices). It embeds directly into actual workflows or systems, supporting the enterprise's digital fusion

APPLICATION

Expert Q&A and Decision Support

- Recommendations for downhole complication resolutions, saving engineers 50% of their energy
- Construction of enterprise knowledge bases for rapid Q&A with an accuracy rate of 90%

- Controllable intelligent data querying, enhancing query efficiency

Engineering Data Extraction and Governance

- Structuring of historical data materials in seconds with accuracy exceeding 95%
- Data Quality Assurance and Control (QA/QC), providing reliable data for intelligent applications

Document Generation and Review

- Document generation cycle shortened by an average of over 30%
- Review and auditing efficiency increased by 50%

Real-time Monitoring and Early Warning

- Active monitoring and early warning capabilities
- Real-time data perception and prediction of drilling risks (encounters), providing solution support and shortening response time by 50%

Intelligent Meeting Assistant

- Provides intelligent meeting minutes functionality
- Supports multi-language transcription and translation
- Customizable for professional terminology and templates to enhance meeting efficiency

Contact Us

engineering@vertechs.com

Chengdu | Dammam | Houston | Calgary | Hong Kong

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