Merak Peep

Economic evaluation and decline analysis software

APPLICATIONS
- Economics, business planning, and decision making for upstream oil and gas

BENEFITS
- Make investment decisions with greater confidence
- Standardize business processes across the organization
- Improve the consistency of your economic evaluations
- Incorporate risk and capture probabilistic analysis

FEATURES
- Standardized fiscal models for diverse global investment opportunities
- Customizable interfaces for engineers, geoscientists, and economists
- Extensible architecture to incorporate specialized workflows
- User-managed permissions for enhanced security
- Integration with other Schlumberger software solutions
- Flexibility to conduct well-by-well, field-by-field, or asset-by-asset analysis, or corporate consolidation
- One-click creation of corporate hierarchies and ability to rerun corporate consolidations with different assumptions
- Single sign-on feature tied to the corporate active directory
- Standardized and customized reporting
- Intuitive charting to view results

Merak* Peep economic evaluation and decline analysis software offers industry-leading functionalities and services modeling capabilities that combine the technical skills of petroleum engineers and geoscientists with the financial foresight of economists for better E&P business decisions.

Evaluation of project economics to reduce risk

Merak Peep workflows—created for petroleum engineers, geoscientists, and economists—offer standard practices based on 30 years of global industry experience. All key inputs into project economics can be captured, stored, and modeled in a secure and standardized enterprise solution—customizable to the corporate environment. You can understand the complete asset value on a case-by-case and on a consolidated basis with the ability to do look-ahead and look-back assessments. Mitigate risk by examining multiple scenarios, performing uncertainty analysis, and analyzing statistical outcomes using the Merak Decision Tool Kit.

Standardization across the enterprise

Merak Peep enables you to have confidence in your valuations across the organization. Using common price forecasts, inflation and currency exchange rates, discount rates, and discount methods ensures that everyone in your organization uses the same assumptions. In addition, to suit each unique commercial modeling requirement, the Merak software's Fiscal Model Library (FML) provides more than 200 international fiscal models to help you efficiently evaluate brownfields, greenfields, mergers and acquisitions, and new business ventures in a standardized way. The FML provides researched, transparent, and auditable models that are updated regularly. Alternatively, you can create your own custom models.

Use Merak Peep with the Merak software's Fiscal Model Library to generate a complete suite of reports that detail every calculation for the project, contractor, company, and partner and build customized reports to address specific needs.

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Corporate governance through data security

Data security is a key component to ensure standardization across the enterprise. Merak Peep enables permissions to be assigned to individuals or groups of documents to control data access and read-write privileges. Merak Peep ensures efficient user administration and secure project data in a corporate environment.

Risk analysis and sensitivities

The uncertainty and risk functionality in Merak Peep enables you to create multiple scenarios, determine the expected value of each, and then perform sensitivity analyses. The risk analysis tools include Monte Carlo simulations for looking at all possible outcomes and weighing them based on probability and spider or tornado diagrams that show which inputs have the greatest impact on a selected economic result.

## Flexibility through openness

The Merak Peep development kit (SDK) provides a way for developers to enhance Merak Peep capabilities through plug-ins for company-specific work-flows and technology. The Merak Peep SDK enables innovation and offers oil and gas companies the ability to tailor the application to their specific business needs and to address challenges that may be unique to their auditing, planning, and evaluation processes.

## Integration of engineering workflow with business processes

Merak Peep software integrates engineering workflows from geological assessment through reservoir simulation analyses. Business process integration capabilities encompass budgeting, planning, and reserves evaluation.

Merak Peep integrates with the Schlumberger Petrel* E&P software platform, ECLIPSE* reservoir simulation software, and OFM* well and reservoir analysis software. This enables you to generate production forecasts based on analyses already performed in geological and engineering software. In addition, the decline analysis functionality in Merak Peep allows you to manually import or generate historical or forecasted production, injection, and pressure information.

The interrelation between economics planning and reserves management is further supported by the integration of Merak Peep with Merak VOLTS and Merak Capital Planning. Through a single system, this provides seamless integration of the volumes and values related to reserves and resources.
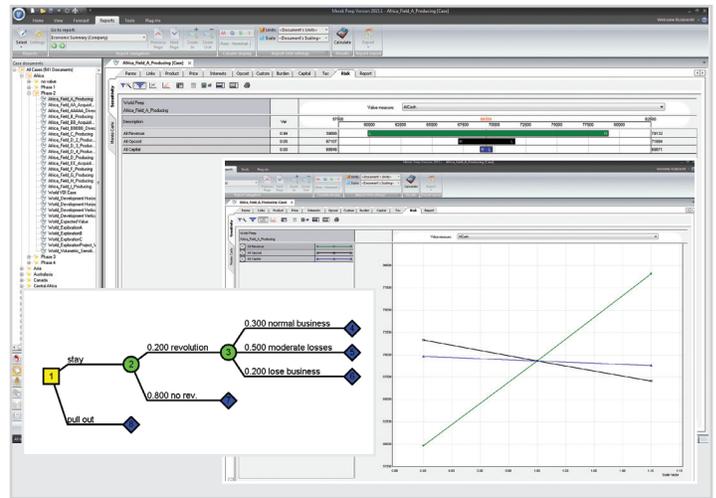
Quickly generate a tornado chart or calculate a Monte Carlo simulation (shown here) to assess risk in multiple scenarios.
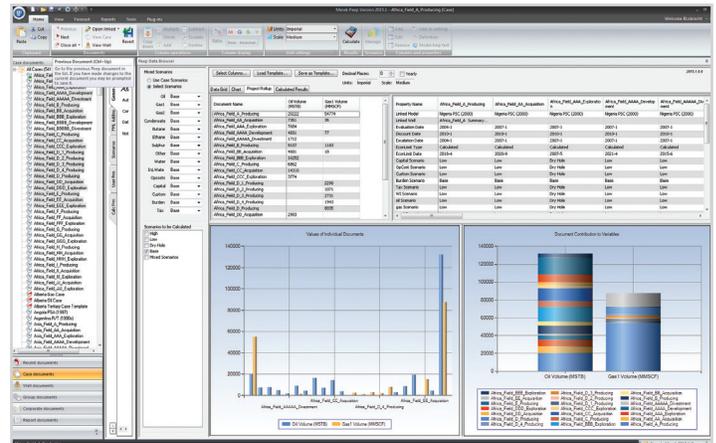
Visualize results with charts and graphs.

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