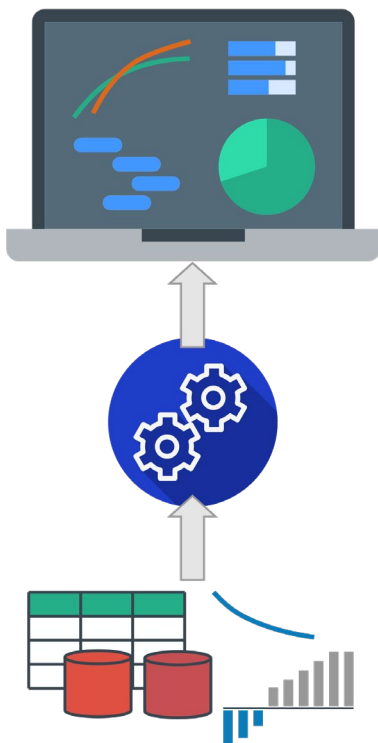
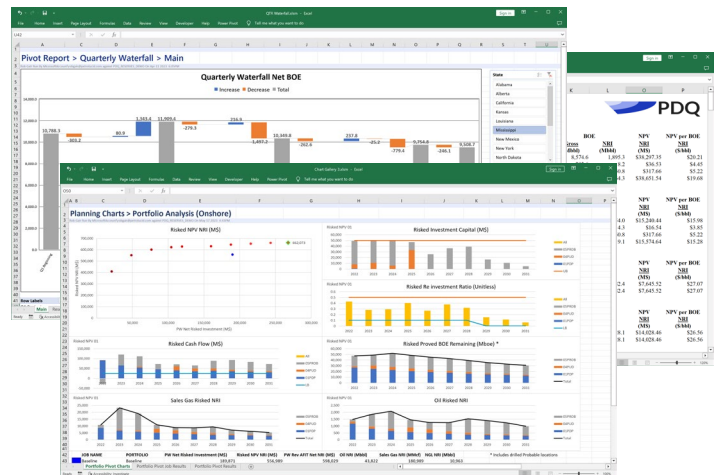


# E&P Portfolio Analysis and Capital Planning: Fast, Easy and Off-the-shelf.

PDQportfolio™ is the only truly off-the-shelf solution for E&P portfolio analysis and capital planning.

Designed to be fast, easy and powerful, you can deploy PDQportfolio in a day. No-code integration with petroleum economics solutions and a familiar Excel interface make it happen.

Enjoy all the features you expect from a comprehensive portfolio optimization solution in a convenient Excel-based package.



## Powerful:

- Advanced optimization technology
- Direct link between planning data and underlying economics data
- Users empowered to create their own reports and workflows
- Secure hub for corporate portfolio data

## Easy:

- If you can use Excel, you can use PDQportfolio
- No-code integration with MOSAIC™, ARIEST™, and PHDWin™
- Small footprint on existing IT infrastructure
- Easy to procure (it's a product installation, not an IT project)

## Fast:

- Rapid deployment (hours, not months)
- Corporate reports generated in seconds
- Fast portfolio optimization
- Next-day demo with your own data

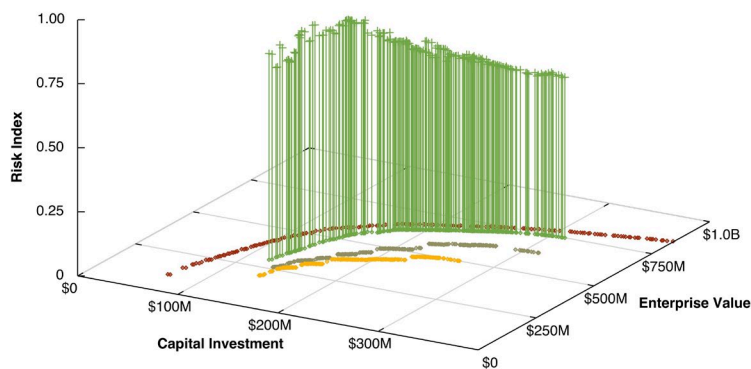
## Portfolio Optimization Workflows

Optimize > Review > Adjust > Recommend

PDQportfolio leverages intelligently-summarized economics data in the PDQ Database to enable a powerful capital planning cockpit. Planners can simultaneously optimize multiple objectives while satisfying many constraints. Converge on the best solutions with visual data mining, what-if analysis, and rapid re-optimization, then present capital planning strategies to executives with a suite of fully-customizable reports.

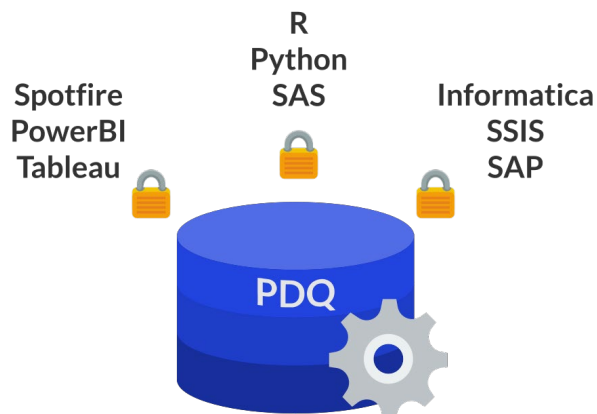
## PDQ Decision Engine

PDQportfolio features advanced global optimization and mathematical programming technology, communicating with the PDQ Database via a simple Windows service. Users enjoy best-in-class optimization technology without needing to learn algorithms or tune parameters.



## PDQ Integration Points

PDQportfolio is a secure and easy hub for organized planning data. It provides controlled access to well-structured and summarized data for 3rd party applications, while serving as a safe sandbox to protect the source of record.





### PDQ Excel Add-In

Functionality delivered to end users via a familiar and intuitive Excel toolbar.

- All features available where users already work in Excel
- Persistent data and application logic remain safe in the PDQ Database
- Excel users get a running start



### PDQ Database

Data, calculations, and business rules stored in Microsoft SQL Server.

- Enterprise-grade application database deployed on existing IT infrastructure
- Comprehensive data schema requires no customization
- Laptop or corporate server



### PDQ Decision Engine

Advanced optimizer calculates optimal capital plans and project schedules.

- Windows service provides extra computational power
- Combines the best of global optimization technology and mathematical programming
- Powerful and easy-to-use

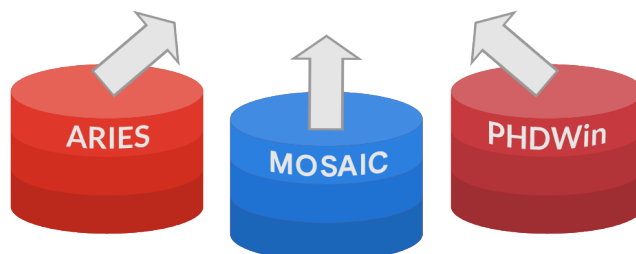
Staging areas. Vet loaded data and run scenarios in protected sandboxes. If there are flaws in the loaded data, just fix it and reload.

Fully configurable. Define project attributes, portfolio metrics, goals, constraints, custom metrics, project dependencies, and metric targets.



Flexible deployment. Install everything on a single laptop, or distribute components across multiple cloud or physical servers.

No-code integration. Select whatever economics data you want from MOSAIC™, ARIES™, or PHDWin™. Excel import templates are available for anything else you need.



Portfolio	
<p><b>Goal Seeking &amp; Constraints</b> Optimize multiple objectives with many constraints</p> <p><b>Gantt Chart Reporting</b> Visualize optimized area development plans and metrics</p> <p><b>Sensitivity Analysis</b> Evaluate portfolios for varying price/capital/cost</p> <p><b>Risk Analysis</b> Apply risk factors to goals and targets</p> <p><b>Constraint Analysis</b> Reveal which constraints are responsible for infeasibility</p>	<p><b>Scenario Comparisons</b> Interactive side-by-side charts to explore portfolios</p> <p><b>Solution Drill-Down</b> Trace assumptions all the way back to the price deck</p> <p><b>Interactive Solution Editing</b> Explore the impacts of manual changes to portfolios</p> <p><b>Inter-Project Dependencies</b> Asset development stages, infrastructure projects, etc.</p> <p><b>Corporate Financial Commitments</b> Constrain portfolios by debt, free cash flow, etc.</p>
General	
<p><b>No-code Economics Data Integration</b> Point and click connections to MOSAIC™ and others</p> <p><b>3rd Party Integration Points</b> Connect Spotfire™, PowerBI™, Tableau™ or other apps</p> <p><b>Detailed Audit Log</b> Tracks changes, approvals, and security privileges</p> <p><b>Standards Compliant</b> Complies with PPDM and PRMS</p> <p><b>Secure Data Persistence</b> No data persists in Excel; application logic stored in DB</p> <p><b>Protected Master Database</b> All jobs vetted, and users never touch master data</p> <p><b>Collaboration Between Planning &amp; Reserves</b> Shared source data and integrated data flows</p>	<p><b>User-Empowered Reporting</b> Create new reports without any vendor support required</p> <p><b>Configurable Reporting Units</b> Conversion factors, display units, and mix units</p> <p><b>Security and Approvals</b> User authentication, permissions, and change approvals</p> <p><b>Data Isolation</b> Separate databases for different functional areas</p> <p><b>Intelligent Rounding and Subtotals</b> Remainders allocated to preserve report integrity</p> <p><b>No Custom Data Loaders</b> Fully standard tables and procedures for all deployments</p> <p><b>Add-On Functionality With Macros</b> Users can add new functionality by recording macros</p>



Omnira Software delivers the most efficient and reliable reserves management solutions in the oil and gas industry. For additional information, please visit [omnirasoftware.com](http://omnirasoftware.com).



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