

The solution for **optimal** financial performance from your assets

# pipelineoptimizer<sup>®</sup>

for liquid pipelines

*PipelineOptimizer<sup>®</sup> helps you design at minimum cost, operate at maximum throughput, analyze operating costs and much more. The easy to use solution executes optimization algorithms and hydraulic equations to show you how to improve margins and reduce costs.*

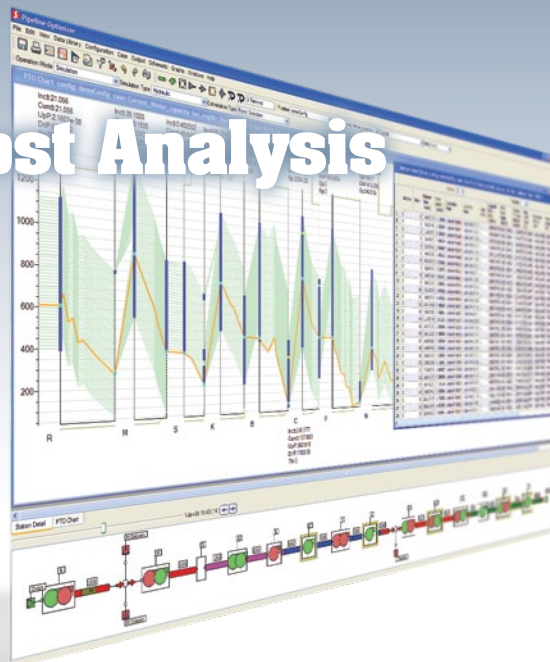
**Flexible:** Visualize schematics, tables and menus any way you want with easy customization capabilities.

**Powerful:** Perform capacity studies, DRA usage, operating cost analysis, budgeting, fuel usage and down time analysis.

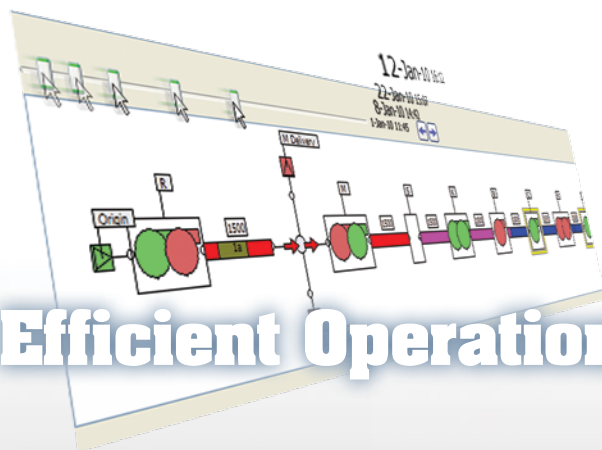
**Practical:** Study realistic operational schedules and perform “what-if” scenarios to address real-world operations.

**Integrated:** Easily import/export data to/from 3rd party software or other Energy Solutions applications like PipelineScheduler<sup>®</sup>, PipelineManager<sup>®</sup> and PipelineStudio<sup>®</sup>.

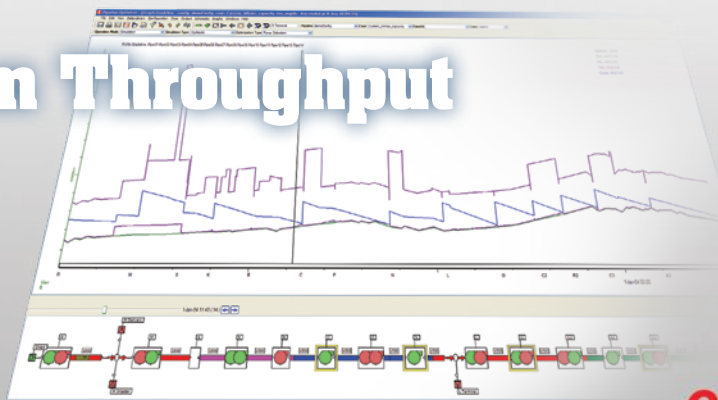
## Cost Analysis



## Efficient Operation



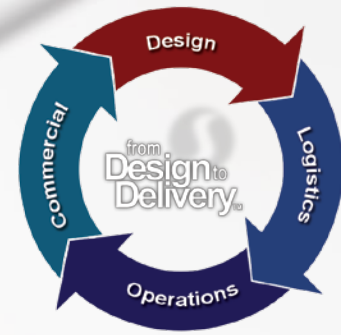
## Maximum Throughput



from  
**Design to  
Delivery**<sup>™</sup>

**energy**solutions<sup>®</sup>

# pipelineoptimizer®



## Capabilities

- Specify complex batch schedules and operations.
- Perform product blends on in-line batches as well as tank volumes.
- Model temperature effects including energy loss through the pipe wall.
- Simulate heaters and coolers.
- Simulate, predict, and optimize the use of DRA additives in the pipe.
- Consider details of power utility contracts including time-of-day rates.
- Create stations with electric drivers, gas turbine drivers, and liquid fuel engines.
- Obtain optimized pump unit selection based on desired flow rate, power or fuel consumed, or cost of power or fuel.
- Balance usage of the line assets over time to work around line or unit outages
- Identify hydraulic and equipment bottlenecks to flow.
- Consider MAOP and LAOP limitations for selected operations.

## Benefits

- Better operational and financial evaluations of new or modified assets.
- Lower operating costs through reduced DRA and power consumption.
- Improved understanding of the incremental cost of new transportation volumes.
- Analysis and understanding of complex power billing.



## About Energy Solutions International

Energy Solutions International is the leading global supplier of pipeline management software. The company's broad range of products drives excellence in operational efficiency, transaction management, throughput management, logistics and pipeline safety. Founded in 1976, Energy Solutions serves more than 500 clients in 70 countries through its offices in the United States, United Kingdom, Dubai, India, China, Singapore and Canada. Energy Solutions is committed to providing integrated solutions to address the unique challenges of our industry.



**energy**solutions®

www.energy-solutions.com  
info@energy-solutions.com