



# Software Solution for Asset Optimization

## Natural Gas

Natural Gas companies find themselves in a complicated and evolving landscape. They must respond to cost pressures and explore new technologies while maintaining their existing infrastructure of physical assets. This requires analytics, optimized lifecycle planning and risk assessment to develop and prioritize a defensible, capital plan.

Riva's infrastructure asset software solutions can help accomplish this efficiently and effectively.



Riva is the leading provider of integrated software and services for asset planning and management solutions, aligned to clients' business processes, and addressing any asset type. Organizations from the public and private sectors rely on Riva software to strategically manage their physical assets and infrastructure, and maximize the value and use of their capital investments.



# Asset Optimization Software Solution

## Summary

Organizations with assets inventories that range from the thousands to the millions can use Riva to deliver individually optimized treatment plans for each asset. Riva takes into account the individual factors that drive the service level, criticality and risk exposure of every asset. Our clients capture their business knowledge in flexible, easy-to-build, treatment strategies and then apply them to their huge inventories. Riva builds a full 100 year plan for the assets, including all recommended treatments with pricing and priority. It identifies synergies between events and helps group them together in time. It forecasts all relevant Key Performance Indicators (KPI), showing the effects of the treatments and the consequences of deferral. And with its powerful "What If" scenario support, Riva can evaluate the effects of innovative treatments and new strategies in minutes, so that organizations can make informed, continuous improvement decisions.

## Business Challenges

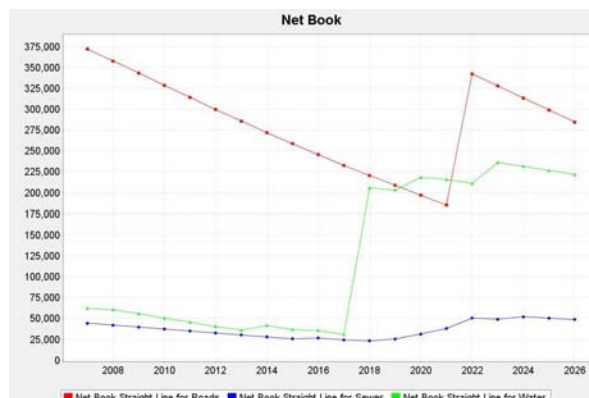
- Optimize asset replacement and rehabilitation timing.
- Prioritize work.
- Build defensible budget envelopes.



## Key Features

- Treatment Selection – Automatically schedule asset treatments for their optimal dates.
- Asset Lifecycle Forecasting – Plan maintenance and replacement costs for the next 100 years
- Budgeting – Generate your sustainable budget, identifying all future costs and funding gaps.
- Key Performance Indicators (KPI) - Identify, create and track KPIs customized to your corporate goals.
- Integration - Model using current data, extracted in real-time from your key data sources including geospatial (GIS) and Enterprise Resource Planning (ERP) enterprise systems.

- View and Presentation – View or present asset condition, performance, costs, and/or replacement.
- Dates, and risk profiles from the asset level all the way up to the overall organization.
- Reporting and Dashboard – Visualize asset attributes and treatment plans over departments, time and geography.
- Mobility – Provides access to current information anywhere, anytime.



## Business Benefits

- Efficiency – Cut asset planning effort by up to 75% by standardizing, aligning and automating processes.
- Transparency – The optimized plan is completely drillable, making it easy to audit and defend.
- Effectiveness – Optimized treatments drive lower overall capital costs and improved risk management reduces emergency repairs.

## Contact

For more information contact Samuel Balzan, 416 767 0265 ext. 252, [sbalzan@rivamodeling.com](mailto:sbalzan@rivamodeling.com).

## Other Riva Solutions

**Asset Investment Planning** – Prioritize your investment projects based on exploring the near and long term impact of your choices.

**Asset Analytics** – Leverage your data to provide key metrics to staff that help them understand your assets better, improving decision making.

