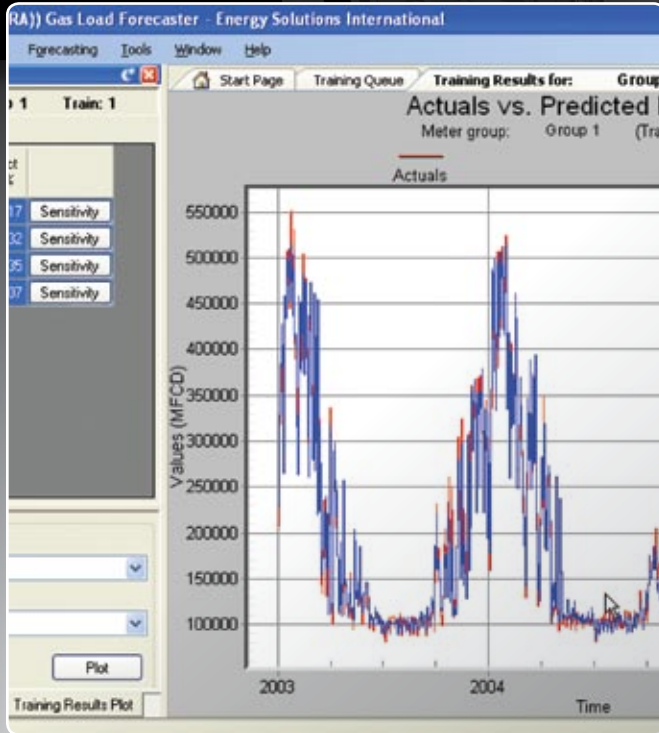


GasLoadForecaster:
build your forecast with
superior accuracy
and speed

- » Unmatched accuracy for decision support
- » Rapid implementation for immediate return on investment
- » State-of-the-art technology for unmatched speed and expandability



Comparison of actual versus predicted throughput.

GasLoadForecaster: Insight into the Future to Plan Today

GasLoadForecaster analyzes historical weather data and flow patterns, then predicts future market and gas network behavior using any available weather forecast data. Insight into future supply, demand and gas network performance allows producers, shippers and end users to optimize their planning for maximum efficiency and profitability. With extensive capabilities in capacity management, demand forecasting, imbalance management and line pack distribution, GasLoadForecaster has been proven to significantly improve the accuracy of your gas demand forecast and reduce supply risk.

GasLoadForecaster Features

GasLoadForecaster provides you with the tools you need to take the widest variety of data sources and translate them reliably into a load forecast. GasLoadForecaster uses a sophisticated neural network algorithm to predict future demand with unmatched speed and accuracy. GasLoadForecaster also features:

- **Improved Forecasting:** GasLoadForecaster now features faster performance and increased forecast accuracy.
- **Expanded Input Data Support:** GasLoadForecaster accepts weather data from multiple sources and can include any additional variables desired, including additional economic data.
- **Trainable Forecasts From Complex Data:** GasLoadForecaster automatically retrains itself if the forecast varies from the actual and continuously refines the fit between the forecasts and the available data.
- **Automated Forecast Schedules:** GasLoadForecaster can automatically provide daily or hourly forecasts as required. GasLoadForecaster can also automatically generate new forecasts based on changes to any of the input data, including weather forecast changes.

GasLoadForecaster forecasts are based upon minimum, maximum and average weather values to provide a comprehensive evaluation of potential supply and demand. In addition, forecast data can be generated and stored as far in advance as there is weather data. GasLoadForecaster interfaces with the advanced hydraulic gas pipeline models available from Energy Solutions.

GasLoadForecaster Benefits

GasLoadForecaster produces the most accurate demand forecast possible for every meter or consumption/delivery point on a daily or hourly basis. Energy Solutions has pioneered the optimization of forecasts to minimize the effect of outliers and errors in the training data – resulting in forecasts that are up to 5% more accurate than those of other forecasting applications. This improvement in accuracy directly translates to better decision support for your planning, supply, operations, and risk management teams.

GasLoadForecaster dramatically reduces the time and effort in obtaining forecast information by using extensive automation. Faster forecasts allow for dynamic reactions to market fluctuations, ensuring that you don't miss valuable opportunities in managing your pipeline and your customers. Meeting changing conditions keeps you and your customers happy and helps your bottom line. GasLoadForecaster includes graphical sensitivity analysis to display factors affecting training values, and discards those with little on forecasts, which further reduces forecast times. Other benefits include:

- Enable effective management of gas supply and limit financial exposure to price fluctuations
- Pipeline companies can select the most economic pipeline schedule based on projected demand
- Pipeline companies accurately anticipate next-period customer nominations on an hourly basis

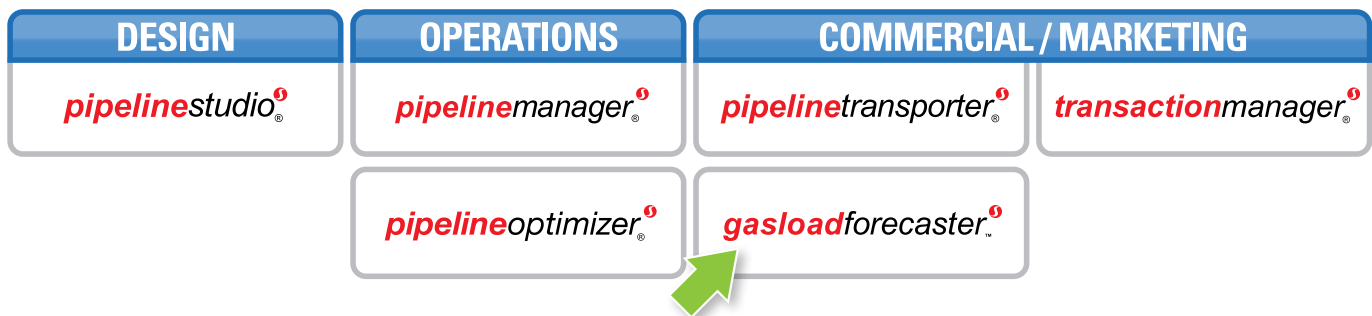


Easy to manage graphical user interface



About Energy Solutions

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, and pipeline safety. Founded in 1976, Energy Solutions serves more than 500 clients in 70 countries. Energy Solutions is committed to providing integrated solutions to address the unique challenges of our industry. Our products support essential workflows by integration with each other and third party applications. Our products integrate with systems from all major SCADA Vendors including; Invensys, Siemens, Honeywell, ABB, SAIC, Yokogawa and Telvent, and major ERP vendors including SAP and JD Edwards.



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