

SYSTEM STRATEGY SOLUTIONS

With the continued trend towards reduction in plant engineering staff, through both aging workforce and the need for competitiveness, fewer personnel now have more responsibilities than ever. Plant operators are routinely faced with the daunting task of determining the current condition of their equipment, forecasting outage budgets and schedules, and performing risk assessments for their facilities. Additionally, insurance companies increasingly require inspection and maintenance records during underwriting. In an effort to provide our clients with the detail and insight needed to determine the existing condition of their equipment, and the 4-SYTE needed for maintenance and budgeting, Thielsch Engineering has developed an interactive data management program that allows our clients to access historical design and operational information with the click of a mouse.

THE LATEST TECHNOLOGY
FOR DATA MANAGEMENT
PLANNING & ENGINEERING FOR
THE ELECTRIC UTILITY
INDUSTRY



INSIGHT ~ FORESIGHT ~ RELIABILITY

- Understand the history of your components ~ Accurately track trends
- Allocate funds efficiently
- Updated and maintained by Thielsch
- Prioritize inspections, repairs & replacements.
- Minimize outage planning efforts.

4-SYTE System Strategy is an essential tool to developing an understanding of the condition of the critical components in your facilities and developing a system strategy for those components to provide safe and reliable continued service.

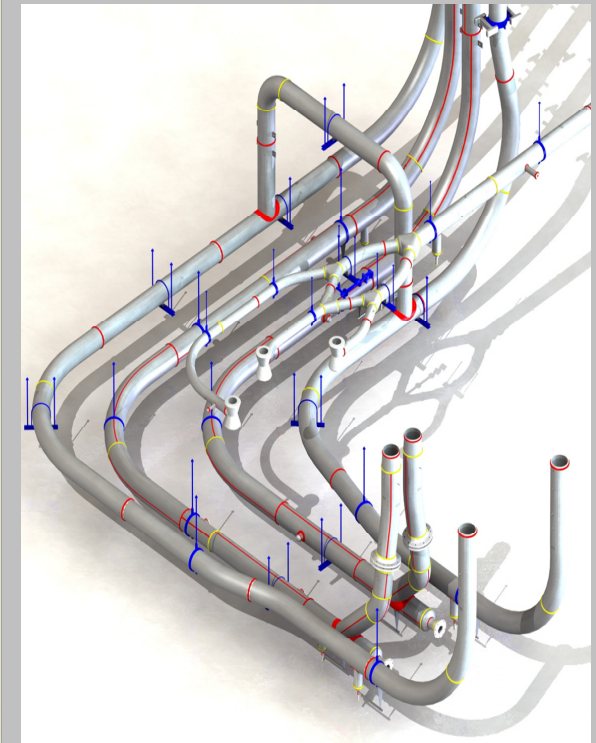
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HIGH ENERGY PIPING MANAGEMENT PROGRAM



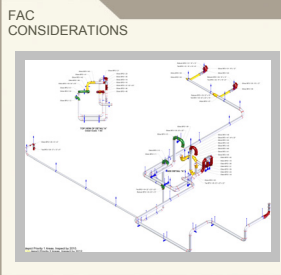
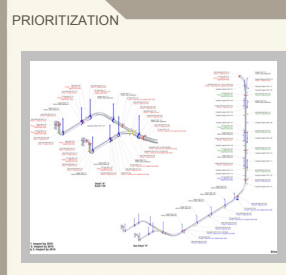
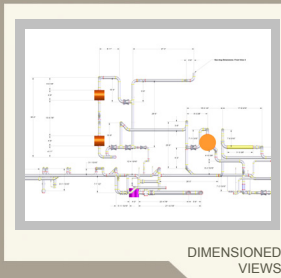
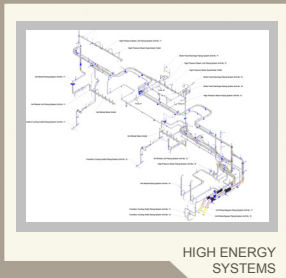
4-SYTE

SYSTEM STRATEGY

INSIGHT ~ FORESIGHT ~ RELIABILITY



HIGH ENERGY PIPING MANAGEMENT PROGRAM (HEPM)



Benefits of Utilizing HEPM

Having a Strategy saves money...

- Visualization reduces confusion.
- Improved Reliability.
- Cost Savings through Risk Management.
- Insurance rate reductions.
- Improved budgeting and planning.
- Engineering expertise and support.
- Remaining Useful Life prioritization.

4-SYTE SYSTEM STRATEGY HIGH ENERGY PIPING MANAGEMENT MODULE

An essential tool to improved reliability

With high energy piping systems being the among the highest safety concerns, Thielsch Engineering has developed the High Energy Piping Management [HEPM] Module of the 4-SYTE System Strategy Program. This program, paired with Thielsch's industry expertise in root cause analysis and failure prevention, provides a method of developing a strategy to improve reliability and risk management.

The 4-SYTE HEPM Module enables plant managers as well as corporate planners to access, review and manage all previous inspections, repairs and recommendations associated with any area of their critical piping systems.

The visualization of the piping systems that the program provides allows for easier understanding of the location of existing damage mechanisms and enables the tracking of these mechanisms with the click of a mouse.

Essentially, the 4-SYTE HEPM Module simplifies planning and budgeting to maintain safe and reliable equipment, within the budgetary constraints efficiently.

The program is accessed online via a secure website and enables utility personnel to access and manage all previous inspections, repairs and recommendations as well as construction, design and operational data associated with any area of their high energy piping systems within each of their facilities. A plant manager, maintenance manager or outage planner can access the critical information at their office desk, their laptop or from the comfort of their home.

PROGRAM HIGHLIGHTS

- Affordable start-up and maintenance. No requirements to purchase or install software.
- Supported by Engineering & Industry expertise. No personnel requirements. 4-SYTE is updated and maintained by Thielsch.
- Interactive, 3-Dimensional, and Accessible via the Internet.
- Simplify planning and budgetary needs.
- Insight to determine the existing condition of your equipment. Foresight to maintain your equipment and budget your future outages.
- Enables easy location of each component in your systems.
- Data Access, Data Warehousing, and Data Protection.
- Customizable Searches & Report Generation.