



ASSET MANAGEMENT SOLUTIONS



4-SYTE
SYSTEM STRATEGY
THIELSCH ENGINEERING, INC.



EMPLOYEE OWNED
Thielsch is employee owned
and operated with over 100
million in annual revenue,
and over 430 employees.

ABOUT US

Industry Experts

Thielsch has been in business for over 30 years. Our experts have first-hand knowledge of plant engineering, from project management to construction to startup, and possess a thorough understanding of support systems, stress analyses, finite element analyses, and mechanical and structural engineering.

Hands-On Experience

Thielsch Engineering personnel have inspected over 10,000 piping systems, pressure vessels, compressors, and other equipment in various types of industrial plants, including refineries, power plants, and chemical plants.

We began as a failure analysis company and have used that experience to become prevention specialist.



WHAT?

Track, Plan, Budget, Prevent
4-SYTE provides you with the resources you need to track, plan, budget and prevent providing knowledge capture that is usable and readily available.

Asset Management

Linking your critical systems to the technology resources you need.

Strategic Solutions

Unit specific risk and reliability plan of action saves time and money.

Security

Certified compliant disaster recovery facility for data protection and security.

Interactive Platform

With point and click capabilities and 3-D models, your piping and boiler systems have never been easier to maneuver through.

Placing the POWER in your hands by having a program that works FOR YOU, instead of you working for it.



Changing times calls for innovative strategies.

We need to look past design and towards innovation when it comes to safety and reliability.



WHY?

Capturing Institutional Knowledge

Over half of senior staff in the energy sector will be retiring by 2020. Capturing institutional knowledge that is usable and readily available is paramount to the successful management of critical assets.

Aging
WORKFORCE & FACILITIES
Requiring more inspections, repairs and replacements with less manpower.

Requirements
INSURANCE & OWNERS
Invested parties want to know you have a safety and reliability plan of action.

Failure never happens out of the blue, it propagates from flaws that eventually link up.



Use your time wisely
Having a unit specific risk and reliability plan of action saves time and money. With 4-SYTE, you can focus on the big picture while we handle the details.

HOW?

“Offering solutions as a **SERVICE** rather than a **SOFTWARE**.”

Because ANOTHER software isn't the answer to successful asset management, Thielsch Engineering offers a different solution to a common problem.

Providing asset and data management as a service rather than a software enables the plant personal to utilize their time in the wisest manner possible.

Reducing confusion, costs and frustration. 4-SYTE provides more than just a data repository. Because it is paired with Thielsch 30+ years of industry expertise,

we are able to provide you with a unit specific plan for inspection, repair and replacement, allowing for STRATEGIC asset management.



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STRATEGY

A system specific plan is developed with risk and reliability assignments broken into 5 level tiers for evaluation.



Success is dependent on effective safety and risk management

With risk management, a prioritization process is followed where the risks with the greatest loss (or impact) and the greatest probability of occurring are handled first, and risks with lower probability of occurrence and lower loss are handled in descending order. In practice the process of assessing overall risk can be difficult, and balancing resources used to mitigate between risks with a high probability of occurrence but lower loss versus a risk with high loss but lower probability of occurrence can often be mishandled. With 4-SYTE we take the guess work out of risk management. Our proprietary matrix utilizes over 80 variables to determine risk assignments then categorizes those risks into percentiles based on number of components within any given system, providing a truly SYSTEM SPECIFIC approach.



BENEFITS

3-D Scale Models

REDUCES CONFUSION

4-SYTE is the ONLY program in the industry that offers interactive SCALE 3-D models. With point and click capabilities, your important information is at your fingertips.

No Software

TIME MANAGEMENT

4-SYTE is the ONLY program in the industry that doesn't require the purchase or licensing of software. User friendly interface with best in class technology.

Industry Expertise

ELIMINATES GUESS WORK

Backed by Thielsch's industry expertise and proprietary matrices you no longer need to spend time or resources developing scopes of work.

Web Based

FLEXIBLE ACCESS

4-SYTE is the only web based program in the industry allowing for flexible access. Compatible with all internet browsers.

Secure Access

DATA SECURITY

Stored in an underground certified compliant data recovery center. With encrypted user names and redundant back-up systems data is secure and protected.

Custom Search & Reporting

Easily and quickly mine the data for specific inquiries. System specific and component specific information including all design and historical inspection, repair and replacement data is entered and managed. Standardized data entry eliminates error and ensures accurate search results. TRACK, PLAN, BUDGET, PREVENT

When it comes to safety and reliability, you can't afford NOT to have 4-SYTE!!

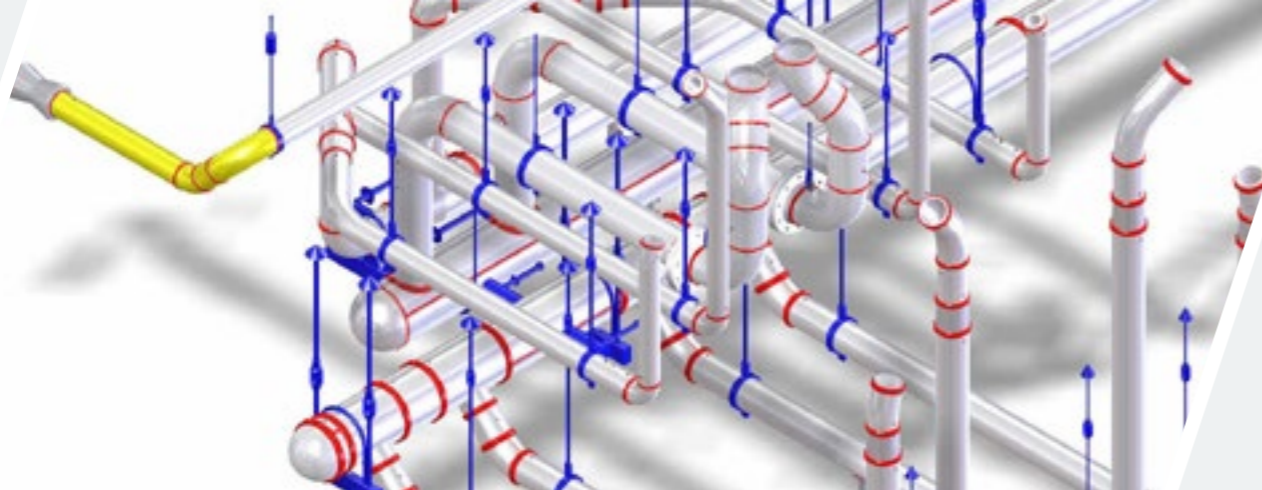
Industry Proven

INDUSTRY RECOGNIZED

Proven track record with over a decade of installed programs.

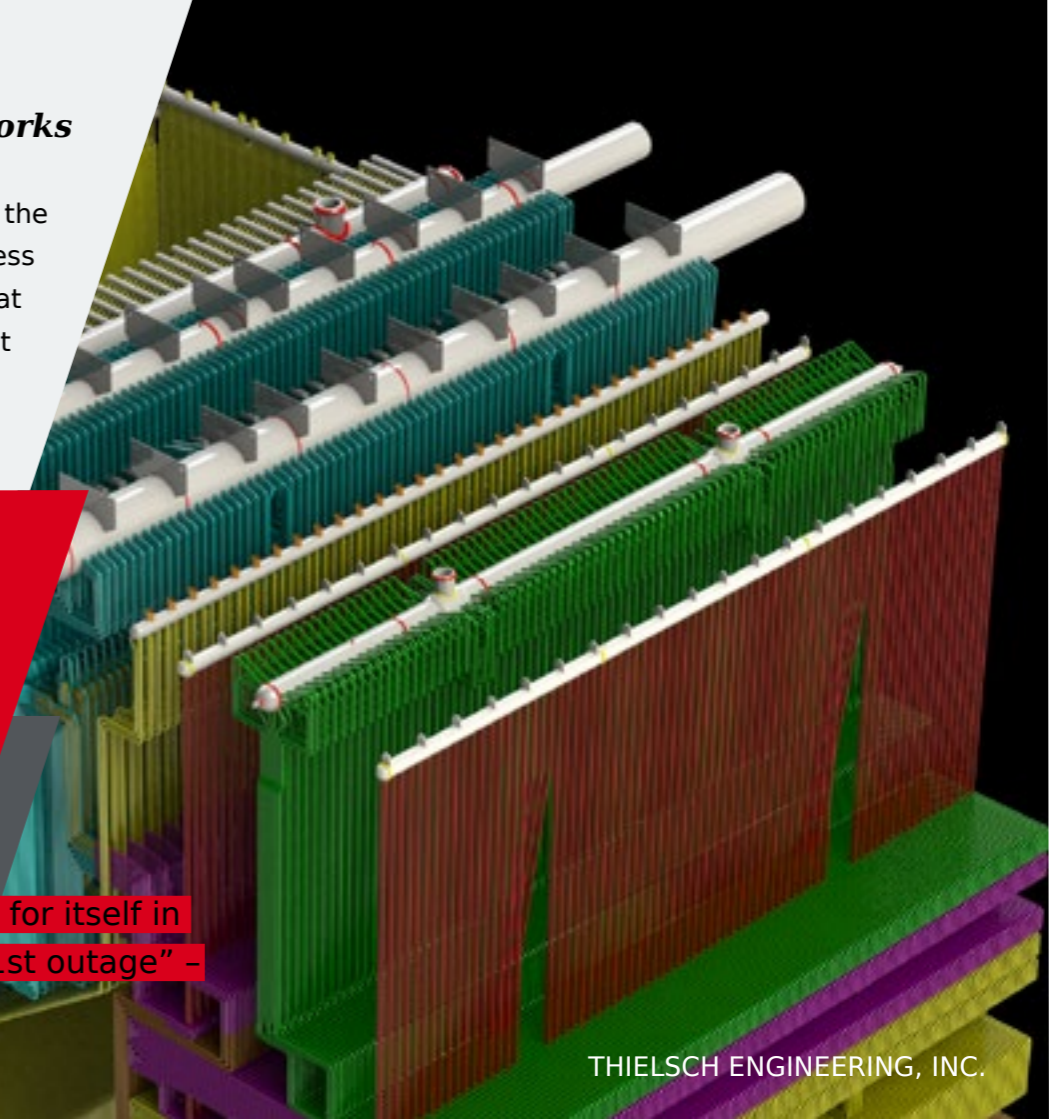
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***A program that works
FOR you.***

With 4-SYTE you have the tools you need to access your critical information at the touch of a button without the hassle of software, data entry or dedicated staffing.



CLIENTS

Loyal and satisfied clients for over a decade

4-SYTE has been an industry recognized and proven program for over a decade with a loyal and satisfied clientele. Installed and managed in over 60 facilities across the United States. 4-SYTE currently operates in the Power and Oil industries.



Some clientele include:

AECI	NAES	OUC
AEP	NIPSCO	CLECO
Alliant Energy	PSOK	Santee Cooper
Exelon	NRG	GE
IP&L	PSGC	Deseret Power

"This program pays for itself in the 1st hour of the 1st outage" -

Jeff Horn of NAES

Pamela Hamblin

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Call today and schedule your complimentary personal or group demonstration to learn more about the benefits and features of the 4-SYTE program for Boiler Reliability and High Energy Piping Integrity.