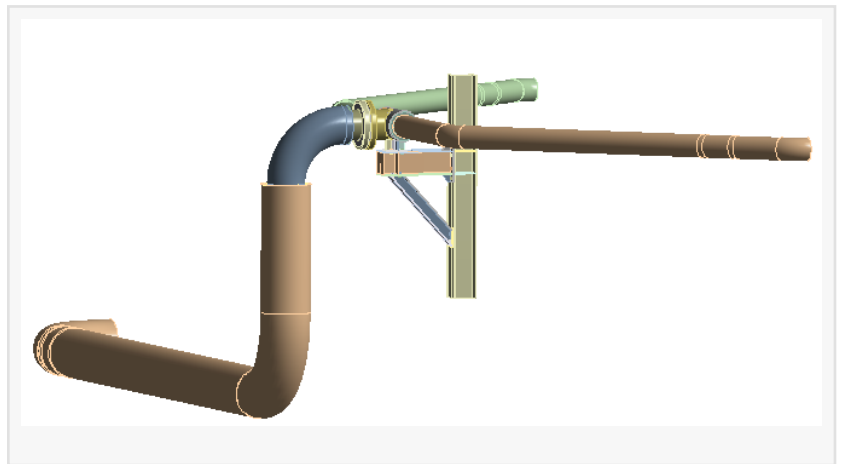


[Live Webinar] - Fatigue Life Prediction And Design Modification To Improve Life Using FE Analysis - July 13, 2017

UNITED STATES, USA, July 3, 2017 /EINPresswire.com/ -- Fatigue is a major cause of failure in many industry sectors and the results can be catastrophic and often unexpected. Flow Induced Vibrations in piping structure is very common and it is a cause of great concern in [Oil and Gas industry where many times pipes are carrying hazardous gases](#). It is very important in such scenarios to understand and estimate the life of such vibrating components and improve the design and support in case the life is short.



Finite Element Analysis is a very useful tool to predict the life. Finite Element Analysis (FEA) is a computer based method of simulating/analyzing the behavior of engineering structures and components under a variety of conditions. It is an advanced engineering tool that is used in design and to augment/replace experimental testing.

In this webinar, you will learn how to use static linear and nonlinear FEA

- To predict damage due to vibration with a Case Study where vibration data is available.
- In choosing best design modification to prolong the life with quick turnaround time
- Methodology to predict fatigue life for welds, bolts using DNV code
- Using sub modeling technique to reduce calculation time
- How to take thermal effects into account for fatigue life prediction?

About Tridiagonal Solutions

Tridiagonal Solutions provides process performance enhancement as well as product development solutions to worldwide clients. The Tridiagonal team has extensive expertise and experience in utilizing a wide range of computational and experimental models to solve challenging problems of industry.

Tridiagonal Solutions provides solutions and services for various industry segments including Chemicals, Oil & Gas, Food and Consumer goods, Healthcare, Power Generation and related industries.

FEA Team
Tridiagonal Solutions Inc
+1 (210) 858-6192
email us here

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