



Mechanical Integrity

Advanced tools, improved results

As process facilities around the world age, optimizing mechanical integrity programs becomes more and more critical. This has driven a distinct shift towards more strategic and proactive analyses that rigorously assess the condition of process equipment. Evaluating the remaining life, reliability and life cycle cost of new and existing equipment helps ensure that inspection data and techniques are optimized for the current business environment.

Siemens fuses core competencies, sophisticated engineering information management and workflow optimization to deliver streamlined organization, implementation and management of facility-wide mechanical integrity programs that help:

- Minimize future fixed equipment expenditures
- Minimize the potential for failures and loss of production

How we deliver

Siemens offers a modular portfolio with flexibility and choice. We can customize mechanical integrity programs by generating procedures and standards that incorporate process safety management requirements. Siemens can also provide training for employee participation.

We have advanced implementation experience using UltraPIPE® and popular third-party IDMS tools, safety systems and process experience, allowing customers to select the services that meet their business needs.

Offerings & Services

Whether you're optimizing operations by implementing an inspection data management system (IDMS), starting a risk-based inspection (RBI) program or simply building a foundation for accurate, accessible process safety information (PSI), Siemens mechanical integrity offerings are designed with flexibility in mind.

- Inspection program management
 - Inspection data management services
 - Program and software implementation (UltraPIPE)
 - Manage field inspection services
 - Inspection planning for turnaround and on-stream activities
- Mechanical engineering services
 - Pressure vessel design & rerate
 - Pipe stress analysis
 - Materials and corrosion analysis
 - Fitness-for-service
 - Finite element analysis
- Risk-Based Inspection (RBI)
 - RBI program development
 - Software selection
 - Risk analysis & implementation
 - Evergreening
 - RBI training

For more information about this and other professional consulting services, contact us at 1 (800) 658-8809 or +1 (713) 570-2900 or info.ogm@siemens.com.

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Answers for energy.

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