

GTI ENERGY PSMS COURSE LIBRARY

Designed in partnership with GTI Energy members

Industry experts from GTI Energy and ITS collaborated to create a training series for Pipeline Safety Management Systems.

These training modules, emphasize the importance of continuous improvement and outline safety processes to empower your workforce—leadership, operators, and contractors—to successfully implement a PSMS.

TRAINING OPTIONS FOR EVERYONE

Courses are designed for every level of employee in the pipeline industry.



LEADERSHIP

Learn to implement PSMS throughout your organization.



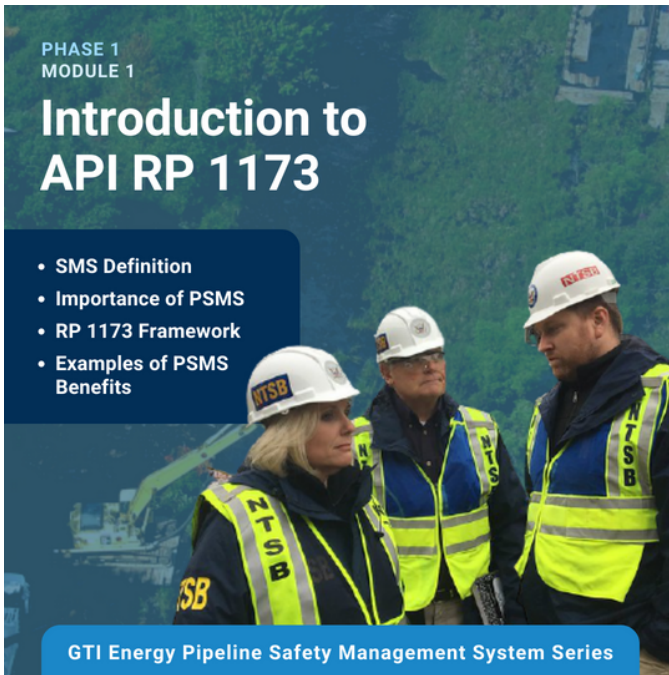
OPERATORS

Receive tools for continuous safety improvement.



CONTRACTORS

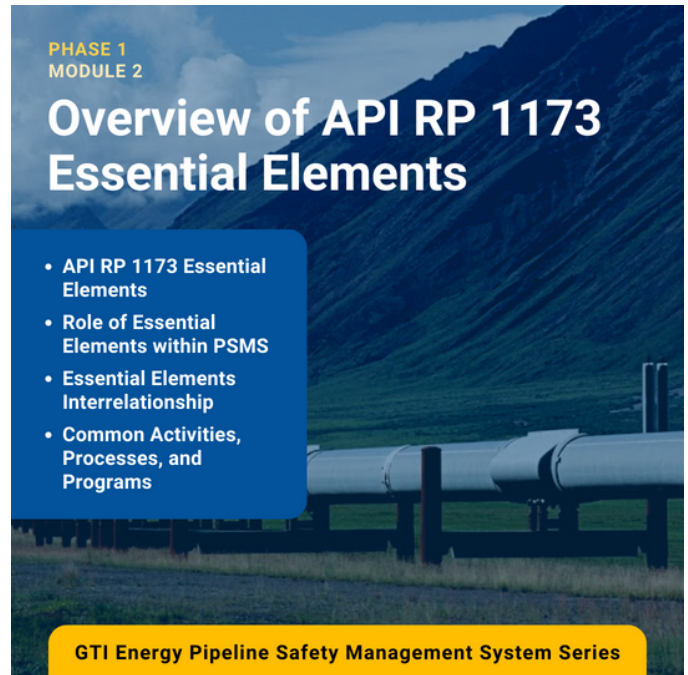
Establish your role in PSMS implementation.



Description: This online learning module covers safety management systems and high-level frameworks for organizations that operate hazardous liquid and gas pipelines under the jurisdiction of the US Department of Transportation.

You'll learn how to define safety management systems, explain the importance of a Pipeline Safety Management System, and describe the API RP 1173 framework at a high level.

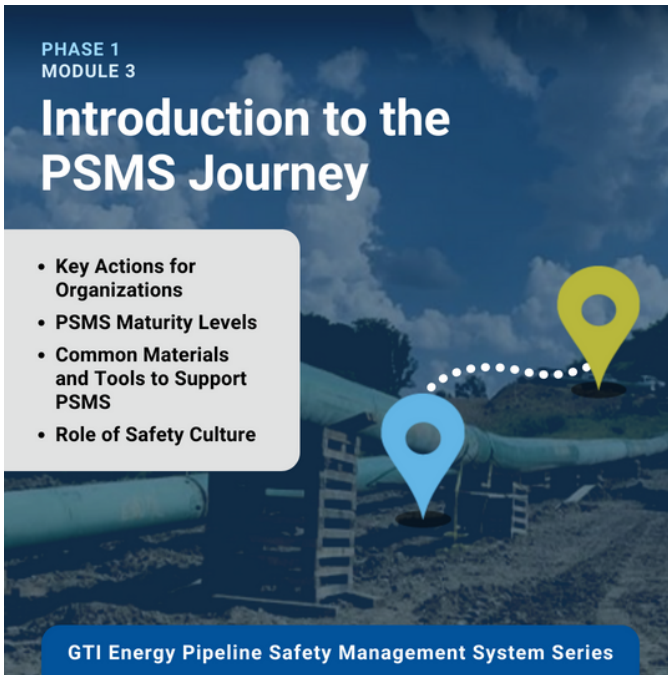
Estimated Duration: 20 minutes



Description: Learn the American Petroleum Institute's 10 Essential Elements required for an effective Pipeline Safety Management System in this online module.

In this interactive module you will learn how to identify the 10 Essential Elements, recognize their role within the PSMS Framework, explain the interrelationship between each element, and identify common activities, processes, and programs associated with each element.

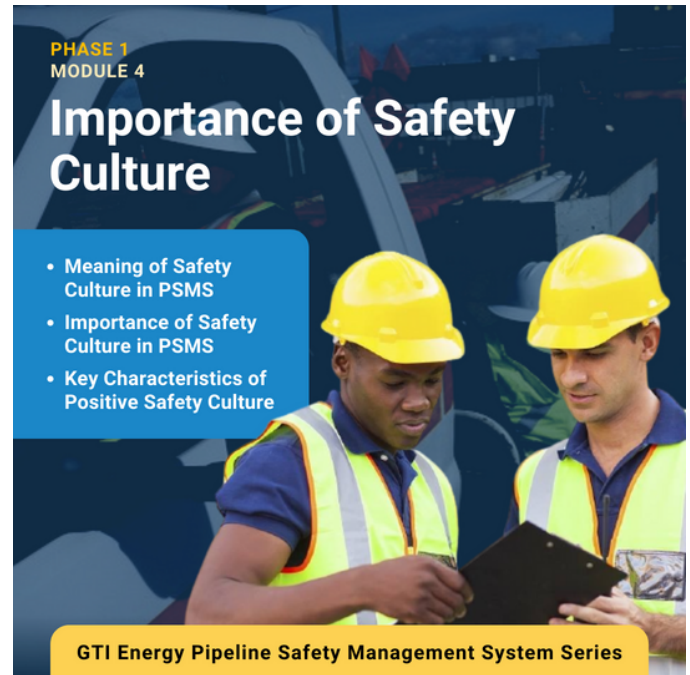
Estimated Duration: 35 minutes



Description: This interactive module describes common industry tools pipeline operators use to support their Pipeline Safety Management Systems.

Key objectives include learning actions an organization must take to begin a PSMS journey, examples of common tools designed to support your organization in the PSMS journey, and the role of safety culture in a PSMS.

Estimated Duration: 15 minutes



Description: This online module explains the importance of safety culture in implementing and maintaining a Pipeline Safety Management System.

Key objectives include defining the meaning of safety culture and identifying key characteristics of a positive safety culture.

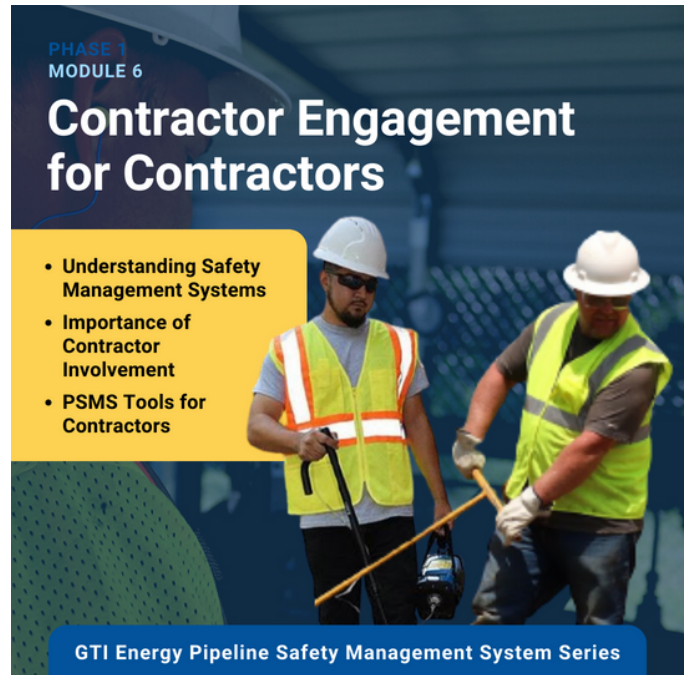
Estimated Duration: 30 minutes



Description: Learn a pipeline operator's responsibilities for engaging contractors and the importance of contractor involvement in this PSMS online module.

With interactive checkpoints, this module will help you identify operator responsibilities, define the importance of contractor involvement, and discover PSMS support tools for pipeline contractors.

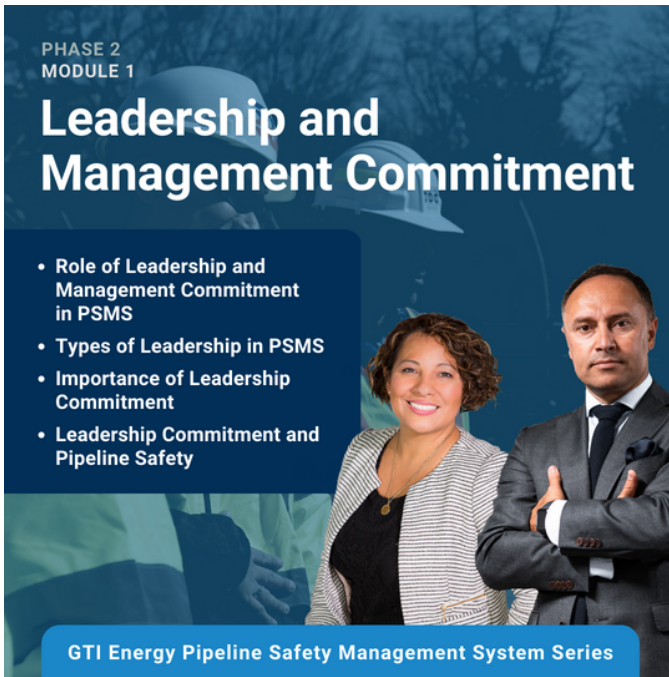
Estimated Duration: 30 minutes



Description: Contractors can learn how to engage in Pipeline Safety Management Systems in this online learning module.

Expect to increase your understanding of Safety Management Systems, define the importance of contractor involvement, and discover PSMS support tools for pipeline contractors.

Estimated Duration: 20 minutes



Description: Discover and review the importance of leadership and management commitment to Pipeline Safety Management Systems in this training module.

You'll learn about the PSMS framework at a high level, benefits of a PSMS, and the importance of leadership and management commitment for effective PSMS in your organization.

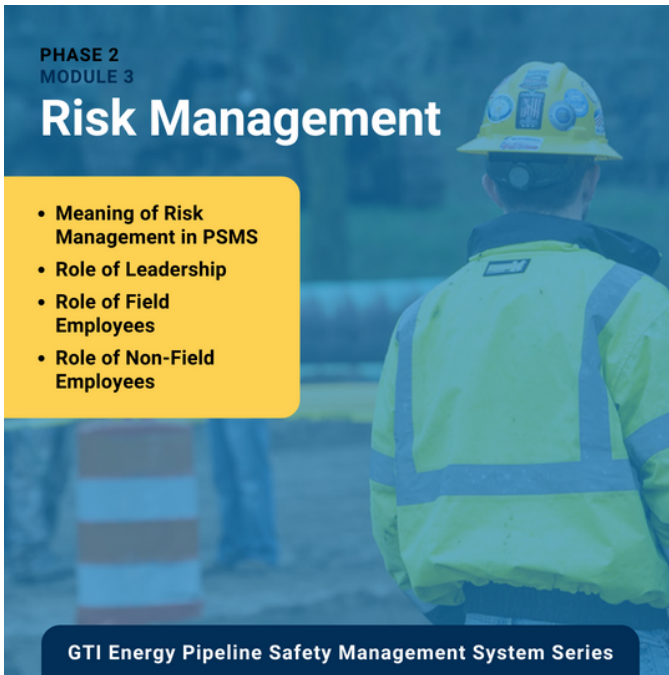
Estimated Duration: 20 minutes



Description: Increase your understanding of how to communicate and interact with internal and external stakeholders and meet the requirements of a PSMS.

In this narrated online module, you will learn the role of leadership in stakeholder engagement, the difference between internal and external stakeholders, the relationship between stakeholder engagements and public awareness, and the role of field employees in stakeholder engagement.

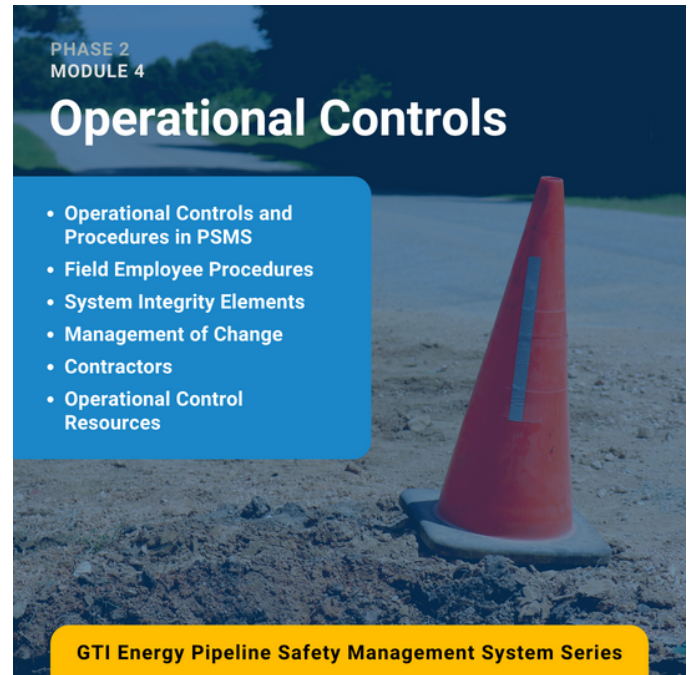
Estimated Duration: 10 minutes



Description: Learn how to reduce risk and reduce incidents using risk management skills in this interactive online module.

This module will cover the definition of PSMS risk management, the role of leadership in risk management, and the roles of both field and non-field employees in risk management.

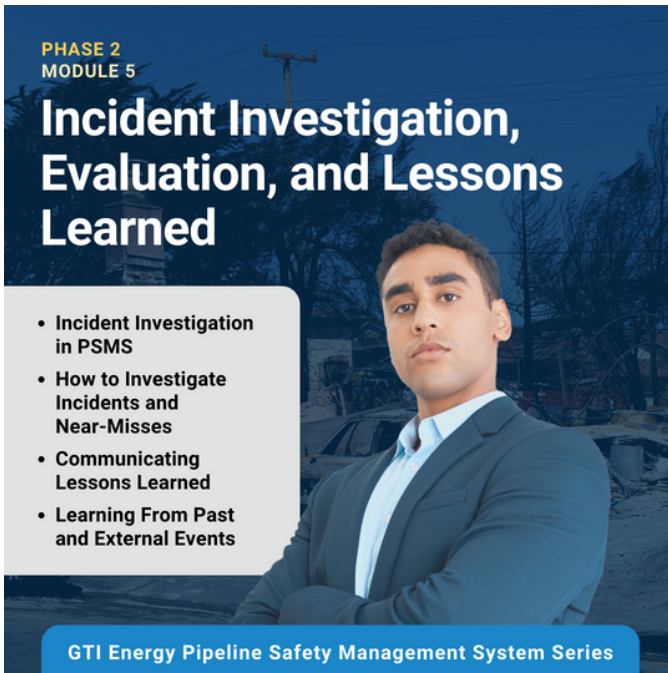
Estimated Duration: 15 minutes



Description: Operational controls play a critical role in PSMS, and this training module will cover the fundamental procedures and work practices for operational controls.

Learn the role operational controls play in PSMS, procedures for field employees and contractors, the elements of system integrity, and management of change. This module also provides outside resources that can strengthen your company's operational controls.

Estimated Duration: 15 minutes



Description: Increase your understanding of incident investigation and its essential role in PSMS in this narrated online training module.

Topics covered in this module include learning how to identify causes of incidents and near-misses, discover contributing factors, determine potential consequences, enhance safety performance, and define the role incident investigation has in the Plan-Do-Check-Act cycle.

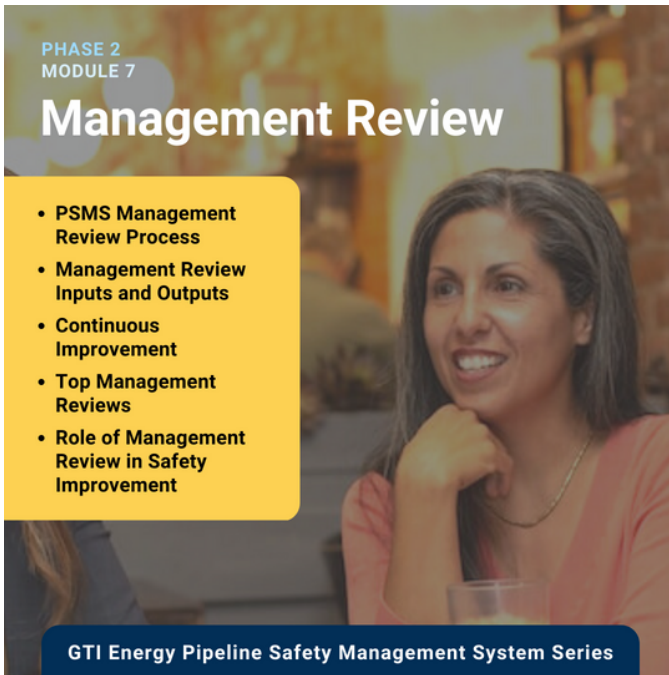
Estimated Duration: 15 minutes



Description: In this interactive online training module, increase your understanding of safety assurance and its role in PSMS.

Learn the role of safety assurance in PSMS, how operators can use audits and evaluations to ensure they are conforming to their PSMS, why reports and feedback are important for a healthy PSMS, and how to use metrics to measure the effectiveness of a PSMS.

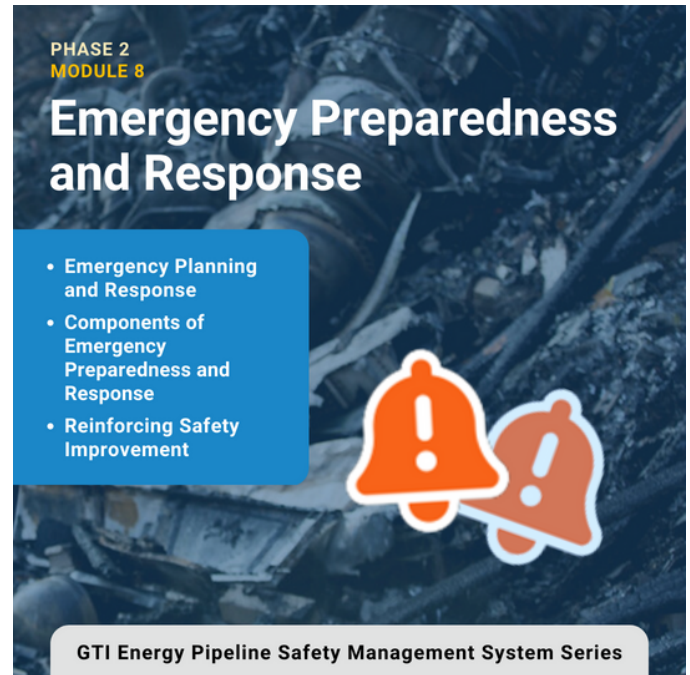
Estimated Duration: 15 minutes



Description: Learn how to continually improve your PSMS with management reviews in this narrated online training module.

Discover the importance of the management review process, the required inputs and outputs of a management review, the concept of continuous improvement, and the role of top management in reviews.

Estimated Duration: 20 minutes



Description: With this narrated online training module, increase your understanding of emergency preparedness and response in a PSMS.


Topics covered in this module include the importance of planning and preparing for emergencies, the components of emergency preparedness and response, and how this process reinforces safety improvement.

Estimated Duration: 15 minutes

PHASE 2
MODULE 9

Competence, Awareness, and Training

- Importance of Pipeline Personnel Competence
- PSMS Updates and Training
- Initial and Refresher Training
- Maintaining Training Records



GTI Energy Pipeline Safety Management System Series

Description: Learn how operators can ensure personnel understand their involvement and responsibilities in a PSMS.

This module will discuss the importance of understanding the roles and responsibilities required for PSMS, the process for keeping personnel updated and trained on their PSMS responsibilities, the need for initial and refresher training, and the importance of accurate recordkeeping.

Estimated Duration: 10 minutes

PHASE 2
MODULE 10

Documentation and Recordkeeping

- Differences Between Documents and Records
- Maintaining Documentation Procedures
- Controlling Documentation for PSMS Requirements
- Documentation Retrieval and Legibility
- Record Retention Policies and Legal Requirements
- Example Documentation

GTI Energy Pipeline Safety Management System Series

Description: For operators implementing a PSMS, discover the role documentation and record keeping play in developing and maintaining a healthy safety plan.

Included in this online interactive module are discussions about the difference between a document and a record, procedures for identifying and distributing PSMS documents, the importance of controlling documents and records to prove conformity to a PSMS, why documents must be legible and retrievable, why operator records are essential, and examples of a PSMS document.

Estimated Duration: 10 minutes