

BEGINNER

Tailored to Junior Engineers, Technicians & New Hires entering the Midstream industry

Course Name	Delivery Format	PDHs
Pipelines 101: An Introduction to the Pipeline Industry for New to The Industry Pipeline Professionals	Self-paced	
Fundamental Pipeline Knowledge		
• Basic Pipeline Corrosion Theory	Self-paced	1 PDH
• Basics of Internal Corrosion	Self-paced	0.5 PDH
• Basics of Underground Coatings	Self-paced	0.5 PDH
• Introduction to AC Interference on Buried Pipelines	Self-paced	2 PDHs
• Introduction to Hydrostatic Testing	Self-paced	1 PDH
• Introduction to ILI Tools and Technology	Self-paced	1 PDH
• Introduction to Hydrostatic Testing	Self-paced	1 PDH
• Introduction to ILI Tools and Technology	Self-paced	1 PDH
• Introduction to Pipeline Hydraulics	Self-paced	1 PDH
• Introduction to Pipeline Steels: Part 1: Composition and Processing	Self-paced	
• Introduction to Pipeline Steels: Part 2: Comparison of Steel Pipe Composition- Vintage vs. Modern	Self-paced	
• Introduction to Pipeline Steels: Part 3: Introduction to Fitting and Bending	Self-paced	
• Introduction to Pipeline Steels: Part 4: Types of Pipe and Other Alloys	Self-paced	
• Introduction to Pipeline Steels: Part 5: Codes and Standards Relevant to Pipes and Fittings Materials	Self-paced	
Ethics		
• Ethics in Engineering for Professional Pipeline Engineers	Self-paced	1 PDH
Emerging Tech		
• Introduction to Green Energy and Climate Solutions	Self-paced	1 PDH
Regulatory Compliance		
• Navigating the Code of Federal Regulations	Self-paced	1 PDH
• Introduction to RIN2	Self-paced	1 PDH
• Title 49 Part 192: Module 1	Self-paced	0.5 PDH
• Title 49 Part 192: Module 2	Self-paced	0.5 PDH
• Title 49 Part 192: Module 3	Self-paced	Coming soon
• Title 49 Part 192: Module 4	Self-paced	Coming soon
• Title 49 Part 192: Module 5	Self-paced	Coming soon
• Title 49 Part 192: Module 6	Self-paced	Coming soon
• Class Location - Introduction	Self-paced	Coming soon
• Gas Gathering - Introduction	Self-paced	Coming soon
• Introduction to RIN1	Self-paced	Coming soon
• MAOP Validation and Reconfirmation - Introduction	Self-paced	Coming soon
• Engineering Critical Assessment - Introduction	Self-paced	Coming soon
• Material Verification - Introduction	Self-paced	Coming soon
Inspection		
• API 653 Tank Inspections: A Procedural Outline for newly Certified Tank Inspectors	Self-paced	0.5 PDH
• API 651	Self-paced	Coming soon
• API 510	Self-paced	Coming soon
Welding		
• Introduction to Pipeline Steels: Part 6: Welding	Self-paced	
• Introduction to In-Service Welding	Self-paced	Coming soon

INTERMEDIATE

Senior Engineers looking to enhance their knowledge on industry topics

Course Name	Delivery Format	PDHs
Corrosion		
• RSTRENG/Defect Assessment	Live Virtual	7 PDHs
• Corrosion Management for Aging Pipelines	Live Virtual/Self-paced	6 PDHs
• AC and DC Interference: Stray Current Corrosion	Self-paced	1 PDH
• Cathodic Protection Mitigation Strategies for Aging Pipeline Coating Systems	Self-paced	1 PDH
• CP Circuits and Types of Corrosion	Self-paced	1 PDH
• DC Interference: Addressing Issues with Tanks and Pipelines	Self-paced	1 PDH
• DC Interference: Determination and Mitigation Methods	Self-paced	1 PDH
• Direct Examination Results of High Strength versus Low Strength Steels	Self-paced	1 PDH
• Examples of Sacrificial Cathodic Protection Design for Buried Pipelines	Self-paced	1 PDH
• Understanding DC Interference	Self-paced	1 PDH
Integrity		
• Basics of Pipeline Integrity Management	Self-paced	1 PDH

• Examples of Impressed Current Cathodic Protection Design for Buried Pipelines	Self-paced	1 PDH
• Hydrostatic Testing for Defects	Self-paced	1 PDH
• Understanding and Recognizing Pipeline Defects	Self-paced	4.5 PDHs
Crossing/HDD		
• HDD For Pipelines Feasibility Workshop	Live Virtual	3 PDHs
• Case History of a Pipeline HDD Replacement	Self-paced	1 PDH
• Horizontal Directional Drilling- Introduction and Fundamentals	Self-paced	1 PDH
Materials		
• The Relationship Between Coatings and Cathodic Protection	Live Virtual/Self-paced	6 PDHs
• Identifying Vintage and Modern Pipe Types (previously recorded live training)	Self-paced	2 PDHs
Regulatory Compliance		
• Pipeline Integrity: A Review of Regulatory Frameworks for Effective Assessment	Self-paced	1 PDH
• Class Location - Intermediate Topics	Self-paced	Coming soon
• RIN1 - Intermediate Topics	Self-paced	Coming soon
• RIN2 - Intermediate Topics	Self-paced	Coming soon

ADVANCED

Experienced professionals within the industry seeking to master complex industry challenges

Course Name	Delivery Format	PDHs
Corrosion		
• External Corrosion Direct Assessment - ECDA	Live Virtual/Self-paced	7 PDHs
• Pipeline AC Interference and Mitigation	Live Virtual/Self-paced	6 PDHs
• Cathodic Protection System Design for Buried Pipelines	Live Virtual/Self-paced	6 PDHs
• AC Coupling Mechanisms on Buried Pipelines	Self-paced	1 PDH
• Dynamic DC: Stray Current Analysis	Self-paced	1 PDH
• ICDA for Dry and Wet Gas-Modeling and Compliance	Self-paced	1.5 PDHs
• Interference Mitigation: Single Bond PS and Line Current Methods	Self-paced	1 PDH
Integrity		
• Effect of Construction and Blast Vibration	Live Virtual/Self-paced	7 PDHs
• Outside Forces on Buried Pipelines	Live Virtual/Self-paced	7 PDHs
• Integrity Assessment of Carrier Pipes Inside Cased Crossings	Live Virtual/Self-paced	4 PDHs
• Pipeline Risk Management	Live Virtual/Self-paced	5 PDHs
• Pipeline Flaws and Degradation (<i>previously recorded virtual training</i>)	Self-paced	4 PDHs
• Pipeline Risk Assessment (<i>previously recorded virtual training</i>)	Self-paced	6 PDHs
• Stress-Corrosion Cracking Direct Assessment (SCCDA) High/Low pH Types	Self-paced	1 PDH
Crossing/HDD		
• Advanced HDD for Pipelines	Live Virtual/Self-paced	0.5 PDH
• HDD for Pipelines – Engineering Applications for Feasibility, Design and Stress Analysis - 2 DAY	Live Virtual	12 PDHs
• HDD For Pipelines Design Example and Stress Analysis	Live Virtual/Self-paced	4 PDHs
• Pipeline Encroachment and Surface Loading Stress Analysis	Live Virtual/Self-paced	6 PDHs
• Pipeline Geohazard Assessment	Live Virtual/Self-paced	7 PDHs
• Drilling Fluid Management and Borehole Stability	Self-paced	2 PDHs
• Integrity Assessment of Carrier Pipes Inside Cased Crossings (<i>previously recorded live training</i>)	Self-paced	3 PDHs
• Geotechnical Considerations for Successful Horizontal Directional Drilling Projects	Self-paced	1.5 PDHs
• Horizontal Directional Drilling (HDD): Feasibility Considerations (<i>video only</i>)	Self-paced	4 PDHs
• Product Pipe Pullback Loads & Stress Analysis For HDD	Self-paced	2 PDHs
Hydraulics		
• Fluid Modeling for Pipeline Hydraulics	Self-paced	1 PDH
• Fundamentals and Analysis of Gas Pipeline Hydraulics	Self-paced	1 PDH
• Fundamentals and Analysis of Liquid Pipeline Hydraulics	Self-paced	1 PDH
Inspection		
• Pressure Test Planning	Self-paced	1 PDH
Materials		
• What Do the Test Results (From the Manufacturer Test Reports or Your Lab) Mean for Your Pipeline?	Self-paced	3 PDHs
Welding		
• What You Need to Know About In-Service Welding Design – 2 DAY in-person	Live In-person	13 PDHs
• API 1104: Key Updates and Changes in the 21st Edition	Live Virtual	2 PDHs

TOTAL PDH AVAILABLE: 370+ PDHs

PLEASE SEE OUR WEBSITE FOR THE MOST UP TO DATE COURSE LIST, UPDATED WEEKLY

[HTTP://TRAINING.TECHNICALTOOLBOXES.COM](http://training.technicaltoolboxes.com)