

Gas infrastructure & transport training courses

KEMA Academy



Gas transport companies strive for the highest standards in safety, reliability and efficiency. At the same time, they face new challenges in the form of ageing infrastructure and increasing regulatory pressure on transport tariffs. Our Gas infrastructure and transport team helps the owners of gas infrastructure to achieve their goals by providing a life cycle cost approach to decision-making in connection with the operation, maintenance, refurbishment and replacement of assets. We provide technical knowledge and practical experience in the form of research projects, consulting solutions and technical services covering the entire life cycle of a gas infrastructure. We create shareholder value by offering a comprehensive package of integrity, safety and performance services for pipelines and installations.

For a current overview of our training program and to register, please visit www.kema.com/academy.



In-company & customized training courses

At the client's request KEMA can also provide in-company and customized training courses. The course can then, for example, deal with actual cases from your business operations, or future scenarios sketched out by you. We are flexible in this.

Overview of gas infrastructure & transport training courses

Course	Description	Subjects	Result	Target Group
Assessment of Welding Procedure Specifications and qualifications one-day training course English or Dutch language	In this one-day training course, the Welding Procedure Specifications (WPS) and qualification for steel pipelines will be discussed based on ISO 15608, EN 15609 and EN 15614-1 standards. Their specific implications for the parties involved will be highlighted.	<ul style="list-style-type: none"> • Contents of ISO 15608, EN 15609 and EN15614-1 standards • Aspects of WPS and WPAR 	Participants will be able to identify the essential aspects of WPS and WPAR upon completion of the training.	Inspectors and construction supervisors.
ECDA process one- to two-day training course English or Dutch language	The condition of non-piggable pipelines can be assessed with the ECDA process. In this course the four steps of the process will be discussed and the benefits of the method will be explained.	<ul style="list-style-type: none"> • ECDA process • Benefits • Influence of pipeline parameters on the results, above ground surveys and excavations 	Knowledge of the four steps of the ECDA process and understanding of the influence of the process input.	Maintenance and inspection engineers, pipeline integrity managers.
Gas transport five-day training course English or Dutch language	The worldwide importance of gas in the energy mix is expected to increase, in the mid to long term, as new gas fields are discovered and new production methods are developed. This course provides a general overview of all relevant aspects of the transmission and distribution of natural gas.	<ul style="list-style-type: none"> • Planning, design, construction, maintenance, and operation of gas transmission and distribution systems • Related technical, economical and financial aspects. 	After attending this course, you will have gained: <ul style="list-style-type: none"> • knowledge of all technical aspects of gas transport on a general level • an overview of techniques • insight in the processes 	Employees from transport and distribution companies, utilities, shippers, regulators, or construction and engineering firms.
In-depth course Pipeline integrity management system (PIMS) five-day training course English or Dutch language	This in-depth training course provides comprehensive insight into KEMA's pipeline integrity management system (PIMS). The methodology and background of the PIMS will be explained in detail and all relevant software and modules will be discussed.	<ul style="list-style-type: none"> • PIMS methodology • Different software modules • Background of the modules • Integration of methodology and software 	The training provides participants with awareness of the importance of the PIMS methodology and their contribution to the system. Skills to use the PIMS and select the correct modules for use are also learned.	Integrity managers, data managers and operations management.
Pipeline damage evaluation one-day training course English or Dutch language	Pipelines can deteriorate over time or can be damaged by third party work in the vicinity of the pipeline. Damages such as corrosion, cracks, fractures, dents, gouges need to be assessed in order to make an accurate decision concerning intended suitability or necessary repair. These issues will be discussed based on the BS 7910 standard.	<ul style="list-style-type: none"> • Fracture mechanics parameter • Failure diagrams • Pipeline fracture models • Fracture propagation and arrest • Leak before break 	Knowledge of fracture mechanics application for pipelines including the application and backgrounds of the BS 7910 standard.	Engineers, pipeline operator staff and service provider staff.
Welding and non-destructive testing one- to two-day training course English or Dutch language	Welding is a key factor in the construction of pipelines and non-destructive testing. This training course provides participants with background information on applied materials, welding and testing technology.	<ul style="list-style-type: none"> • Materials • Welding • Non-destructive testing • Documented quality assurance • Demonstration 	Knowledge about the critical aspects of materials, welding, non-destructive testing and mitigating aspects against omissions.	Construction supervisors.

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