



# Risk Based Prioritisation of Pipelines

Due significant concerns about integrity of pipelines and consequential risk of a failure in service, we did a risk analysis for pipelines.

## BASIC FACTS

Industry	Petrochemical industry
Client	A Romanian oil company
Time frame	2011
Project Location	Romania
Main Services	<ul style="list-style-type: none"><li>▪ Study used to prioritise initial inspection programme</li><li>▪ Semi-quantitative method developed</li><li>▪ Over 200 pre-screened pipelines prioritised based on risk score derived</li></ul>
Customer benefits	<ul style="list-style-type: none"><li>▪ Maintain the integrity of pipeline whilst optimizing inspection spending</li></ul>

**APPLIED AIM SERVICES AT A GLANCE**

In this reference case, the services marked dark blue were used from our portfolio.

Our AIM Service Portfolio				
ASSET INTEGRITY	Management system and software consulting	AIM system and strategy development and implementation		AIM TRAINING AND INDEPENDENT REVIEWS AND VERIFICATION
		AIM software selection and implementation support	Auditing and certification	
	Data analysis and technical consulting	Inspection planning and RBI consulting	Maintenance optimisation and RCM	
		Integrity assessment and remaining lifetime extension	<b>Risk, process safety and security assessment</b>	
	Data collection (testing and inspection)	Inspection of plants and components	Condition monitoring (static and rotating)	
		Material testing and Non Destructive Testing (NDT)		

**ABOUT TÜV RHEINLAND**

Looking back on over 145 years of experience as an independent consultant and partner to many of industry’s most prominent organizations, we understand the importance of plant integrity for their commercial success. In an era in which specialized knowledge is increasingly hard to come by, we can offer you expertise in a comprehensive Asset Integrity Management service package that examines your

plant from multiple perspectives and develops customized, integrated solutions. Our AIM approach goes far beyond classic testing and certification services to provide long-term consulting, implementation support and security advice. The result is a stronger market position achieved through finely tuned value creation instruments that significantly minimize your risks and at the same time promote the growth of your business.

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