



Independent Verification Services for Fitness for Service Assessment of Pipeline

Ensure safety of pipeline integrity system and acquire the approval from authority.

BASIC FACTS

Industry	Oil & Gas
Client	A well-known chemical corporation
Time frame	2019
Project Location	Taiwan
Main Services	<ul style="list-style-type: none">▪ Identify features of critical defects of Ethylene/Propylene pipelines after in-line inspection▪ Evaluate allowable thickness of pipeline▪ Assess remaining strength according to ASME B31G/ASME B31.4/ASME B31.8/ API 579-1▪ Calculate corrosion rates▪ Analyze remaining life time▪ Determine re-assessment interval
Customer benefits	<ul style="list-style-type: none">▪ Systematic identification of pipeline safety integrity▪ Management of pipeline lifecycle▪ Strong improvement on asset integrity▪ Reduction of hazardous risks to acceptable level▪ Lead to acquire authority's approval and public trust

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	Risk, process safety and security assessment	
	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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