



In-service Non-Destructive Testing (NDT) of Spherical Tanks

Execution of Non-destructive testing services by means of time of flight diffraction (ToFD) and acoustic emission using Rope Access (RA).

BASIC FACTS

Industry	Oil & Gas
Client	An oil refinery company
Time frame	June - August 2013
Project Location	Egypt
Main Services	<ul style="list-style-type: none">▪ Testing services done by a certified inspector in accordance with the TOFD certification program based on ISO 9712▪ Fast inspection times due to rope access technique instead of building complete scaffolding
Customer benefits	<ul style="list-style-type: none">▪ Reduced costs, through inspection during normal dayshift production▪ Accurate inspection data and clear inspection reports▪ Meeting requirements established in the ASME Code Standards

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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