



Process Safety & Asset Integrity Consultancy Services

The Halfaya oil field is an oil field situated in the southern part of Iraq, and covers a total area of approximately 288 km². The Halfaya oil field was discovered in 1976 and is proven to hold 4.1 billion barrels (650,000,000 m³) of recoverable reserves and has a production potential of 200,000-535,000 barrels per day (32,000-85,100 m³/d).

BASIC FACTS

Industry	Oil & Gas
Client	A leading petroleum corporation
Time frame	2016 - 2019
Project Location	Iraq
Main Services	<ul style="list-style-type: none">▪ Development of process safety management (PSM) system and documentation Development of Corporate Risk and Process Safety standards▪ Development of AIM system and documentation including SCE, RBI, RCM, Performance standards. Implementation and Training.▪ Safety Case and Technical HSE studies▪ Safety studies, including QRA, FETGDA, FDA, HAZID, HAZOP, safety case▪ Adhoc HSE related services▪ Post implementation performance audit
Customer benefits	<ul style="list-style-type: none">▪ One Stop service combination of management system, technical consulting and testing, inspection and certification services

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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