



# New AIM Service for Electric-Vehicle Production Plants

Establishment of state-of-the-art risk management system to eliminate and mitigate potential hazards and risks for several automotive manufacturers.

## BASIC FACTS

Industry	Automotive
Client	Various top automotive manufacturers and OEMs
Time frame	2017-ongoing
Project Location	A number of cities in China
Main Services	<ul style="list-style-type: none"><li>▪ Compliance inspection &amp; audits</li><li>▪ HAZOP (Hazard and Operability) &amp; LOPA (Layer of Protection Analysis) studies for chemical related process unit</li><li>▪ HAZID (Hazard Identification Study) studies for relevant machineries</li><li>▪ Bowtie analysis for major risks</li><li>▪ FMEA (Failure Mode &amp; Effects Analysis) study for the critical machines</li><li>▪ Key knowledge training and verification for counter-measures</li><li>▪ Implementation of the countermeasures and establishment of the major AIM system procedures</li></ul>
Customer benefits	<ul style="list-style-type: none"><li>▪ Elimination and mitigation of potential hazards and risks</li><li>▪ Establishment of state-of-the-art risk management system</li><li>▪ Enhanced personnel competence in safety risk management</li><li>▪ Forged safety culture</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	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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