



# Equipment Reliability Acceleration

In partnership with our customer, we conceived the idea of the forming a 'Equipment Reliability Acceleration Team' (ERAT) with focused AIM measures

BASIC FACTS	
Industry	Power generation industry
Client	A UK-based electric power generation company
Time frame	2009 - 2017
Project Location	United Kingdom
Main Services	Build-up of an expert team at 7 power stations focused on important asset integrity management measures such as: <ul style="list-style-type: none"><li>▪ Removing redundant tasks, improving scheduling, optimizing task intervals, and using alternate maintenance tools and techniques.</li><li>▪ Introducing enhanced maintenance techniques, with a particular focus on Reliability-Centred Maintenance (RCM) and condition monitoring.</li><li>▪ Identifying areas of commercial plant susceptible to single component failure.</li></ul>
Customer benefits	<ul style="list-style-type: none"><li>▪ 90,000+ man-hours per year of unnecessary plant maintenance released across fleet</li><li>▪ 11,000+ hours per year increase in essential plant availability</li><li>▪ Mitigation of single point vulnerabilities – significant saving through reduction in unplanned losses</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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