



Assessment of the Burner Management System (BMS) of Coke Calcination

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BASIC FACTS

Industry	Chemical Industry
Client	A well-known German system provider
Time frame	2015
Project Location	United Arab Emirates
Goal and Challenges	<ul style="list-style-type: none"> ▪ Assessment of design and engineering of the Safety Instrumented Function (SIF) acc. to IEC 61511 and the functional requirements acc. to NFPA 85. ▪ Additional application program assessment was performed of the BMS.
Solution	<ul style="list-style-type: none"> ▪ Stage 2 Assessment acc. to IEC 61511 ▪ NFPA 85 Ed. 2011 compliance assessment. ▪ FAT witness in Abu Dhabi ▪ Report and certification of the SIL 2 rated BMS
Result	<ul style="list-style-type: none"> ▪ Issue of TÜV Rheinland report and certificate for a positive result of the Functional Safety Assessment. ▪ The BMS designed fulfils and complies to standard requirements of IEC 61511 and NFPA 85 section 5.

ABOUT TÜV RHEINLAND

As a testing services company with nearly 145 years of technological experience, we are aware that the next wave of automation will have an enormous impact on all technical areas and developments in your company. We won't leave you alone in this situation. With a unique approach we help you to protect your systems comprehensively, proactively and permanently.

In a one-stop-shopping concept, we are the only testing service provider to offer product manufacturers, system integrators and operators a comprehensive FS&CS solution package of integrated, future-oriented services that includes testing, inspection, certification, ongoing training and intensive consulting. In the course of this we examine

all areas of functional safety and cybersecurity of your entire product or system life cycle, from specification to design to operation. We implement system applications and train and educate your personnel in all safety-relevant aspects. We rethink security in a completely new way and consider even the smallest detail of your situation and perspective. This way we minimize your risks and ensure greater profitability and sustainability. With our wellfounded expert knowledge in all areas of industrial technology, the digital age and cybersecurity, we always offer you exactly the right solution for your specific requirements. You benefit above all from our international network of accredited, recognized IT specialists, who view and test the entire topic of "digital security" from a hacker's point of view.

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