



3rd International Symposium on
Energy **C**hallenges & **M**echanics
- towards a big picture

7-9 July 2015
Aberdeen, Scotland, UK

Organisational Integrity embedded in Asset Management – a Key Success Factor for Oil & Gas Operators

Jos Van der Aelst*

Stork, Oosterweelsteenweg 57, Harbour no.269, B-2030 Antwerpen Belgium

Accepted for publication on 11th April 2015

A key success factor in a company's ability to operate safely, efficiently and profitably is ensuring that every individual with a stake in asset integrity truly understands the core concepts involved in effective integrity management and how their actions and decisions can have a decisive impact.

Oil & gas companies need to manage a complex portfolio of risks. A lot of these are associated with the operation and management of their facilities and assets. These risks can lead to minor or major incidents which are potential impacting several oil & gas business values. Root causes of these incidents are asset related but also organisational related (e.g. lack of safety culture, inadequate procedures). Organisational related barriers are crucial in the set-up of safety cases.

Installing an "organisational integrity culture" requires the implementation and maintenance of a series of fundamental building blocks. The company's core **values** are the compass and the reference for the behaviour of the people within the organisation. Excellent **leadership** is required in introducing, implementing and maintaining these values. Leaders and managers have to be the example, they need to be committed and driving the desired behaviour. All employees need to know and understand what "integrity" means for them and what are the expectations for the individuals as well as for the whole organisation. The **integrity management system** provides the framework for the operation of the organisation – it gives the vision but also the required/desired code of conduct related to the policy & strategy, processes, organisation, people and means. The **execution of activities and decisions should be in line** with the core value and system integrity requirements. **Identifying, analysing, evaluating and managing risks** supports the whole process and is the back bone approach for organisational integrity. The implementation of these building blocks leads to an organisational integrity culture where integrity behaviour is embedded in processes and embodied by people.

Conclusion: Organisational integrity is part of asset management and good asset management is part of organisational integrity management. Realising an organisational integrity culture is a must for asset management and for the business of oil & gas companies.

Keywords: Integrity, Culture, Asset Management System



3rd International Symposium on
Energy **C**hallenges & **M**echanics
- towards a big picture

7-9 July 2015
Aberdeen, Scotland, UK

能源挑战与力学国际研讨会摘要模板

John Smith^{1*}, 張三², 李四³

¹*School of Engineering, University of Aberdeen, Aberdeen AB24 3UE, UK*

²*Department of Mechanical Science and Engineering, University of Illinois at Urbana-Champaign,
Urbana, IL 61801, USA*

³ 中国 北京清华大学工程力学系, 北京 100084

文件定义了摘要的各个组成部分, 包括标题和全部作者, 以及每个作者的所在单位、单位地址和电邮地址。作者列表中标有*号的为报告作者。请不要改变文件书写风格, 包括字体、文字大小和段落间距; 不要在文件中使用特殊字符, 符号或方程。

摘要将以英中文双语出现在研讨会文集里。美式和英式英文, 简体和繁体中文都被认可。作者可以用英文或英中文双语(首选)提交摘要; 如果只收到英文版本, 我们将提供论文摘要的中文翻译。在英文版本的摘要中, 单词总数必须在 250 到 350 之间。

论文摘要的版权属于作者。北海期刊会议有限公司有权将摘要发表在会议网页上。

关键词: 摘要; 模板; 英文; 中文 (最多 5 个关键词)