

Company Profile

Company Overview

NRG Well Examination, an NRG Group Company, is the leading provider of well examination and integrity assurance services globally.

The company specializes in the delivery of design and construction phase well examination and integrity assurance, well lifecycle management systems, and insurance risk reviews.

Founded in 1998 by current NRG Group Chairman Andrew Mackay, NRG Well Examination was borne out of the

introduction of new upstream well integrity legislation to the UKCS in 1996, following the inquiries into the tragic Piper Alpha and Ocean Odyssey offshore disasters in the North Sea.

Having examined thousands of wells across the world, and worked with over 70 clients in the UKCS and Internationally, NRG Well Examination's experience in Well Integrity is unrivaled.

Our success is underpinned by our people, most of whom have been with the company for over 15 years, and we are proud of our long-standing

relationships with some of the most active oil and gas operators across the world.

Regulators, operators, insurance companies and stakeholders recognise the advantages of independent well examination and assurance, particularly where well related risks are perceived to be high.

Meeting this need, NRG Well Examination has grown into the largest and most experienced provider of well examination and well integrity assurance services in the UKCS and internationally.

Services & Capabilities

Well Examination

Independent Well Examination became a legal requirement in the UKCS in 1996. It involves the independent assessment of oil and gas well integrity management throughout the well lifecycle, from the initial design phase through to construction, production, decommissioning and abandonment.

NRG Well Examination provides oil and gas operators with best-in-class independent well examination services, tailored to be compliant with in-country regulations.

We work closely with our clients to implement well examination management systems, ensuring any examination work is compliant to company and local regulations, and is tailored to well stock requirements.

Production Well Examination

Production well examination follows the well handover to operations phase and applies to production, injection, long-term shut-in, and suspended wells either on land, an offshore installation or subsea.

As with all examination work, it is carried out in accordance with the well operator's well examination management system ensuring the well operator conforms to a rigorous production well integrity management system, and that all the wells are operated in accordance to it.

Production well examination also includes a review of the production well integrity management systems employed against the requirements of industry standards and good practice requirements.

The results of this examination work are typically compiled into an annual Production Well Examination report.

Well Reviews for the Insurance Market

Since 2010, NRG has worked closely with the global insurance market, and in particular Lloyd's of London, delivering well reviews as per the Joint Rig Committee guidelines.

The Well Reviews generally require only a desktop review, however they can contain site trips if necessary which are undertaken by NRG's senior personnel.

The Well Review report includes an overall risk rating for the well in question by assessing well type and design; operator and contractor competency; pollution risks; and environmental and geographical impacts.

Bespoke Management System Development

NRG firmly believes that systematic processes, coupled with experienced and skilled personnel, drive a company's performance.

Our work with clients across the world has provided a range of exposure to various management systems and processes, giving NRG a unique insight into the most successful examples.

For operators of any size, systematic processes are essential in the demonstration of effective risk management to regulators and stakeholders.

NRG has developed systems for well examination, the design and construction of wells, and corporate management systems. Our approach allows our clients to update any part of their system without the need for a major re-write.

Ultimately, we help clients focus on what is important to their business. We ensure they have the appropriate support and processes in place, to enable cost effective decisions. This is particularly relevant to companies who are tentatively entering a new area and do not yet have all the resources to fulfill their obligations.

Our success is underpinned by our people, and we are proud of our long-standing relationships with some of the most active oil and gas operators across the world.



Personnel Competency

NRG prides itself on exceptional personnel, highly experienced in all aspects of the well lifecycle and since 1988, NRG has built up a team of employees and associates with considerable industry experience.

The NRG Company Competency Assurance Standard for well examination projects includes an "Expertise Matrix" framework. This summarises the complete suite of competences that are applicable to the examination of wells.

NRG's process for management of personnel competency has been subject to the FPAL Verify Audit process since 2013.

NRG has a competency management standard for its work which includes NRG's expectations of the competencies required by Well Examiners and the training required for new Well Examiners in the process of Well Examination.

The Competency Management Standard has been inspected by the UK Health and Safety Executive (HSE) on numerous occasions during HSE inspections of our clients and has also been independently audited by our Clients and FPAL and complies with the Oil & Gas UK Guidelines for well operators on competency of well examiners.



Quality Assurance

NRG has developed an internal quality assurance procedure to ensure that the quality of our work is maintained to the highest standard.

It is a three part process covering the report submissions, response times, and the review of technical quality.

All issues are recorded, and non-conformances reported to management. Close out of the issues is mandatory.

Well operators also perform frequent audits on NRG and feedback from these external audits is incorporated at the company and examiner level where necessary.

Affiliations and Accreditations

- > FPaI
- > Oil and Gas UK

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Contact us

Want to know more?

Please contact Zoë Fuller,
Operations Manager, for
any further information.

e: zoe.fuller@nrgltd.com