



## Consulting Engineers

*OAG - Using the most up-to-date tools, technologies and engineering knowledge, to deliver technically sufficient and cost-effective solutions*

OAG is a wholly owned independent company incorporated in Nigeria and the United Kingdom, to provide consultancy and engineering services to the oil and gas industry worldwide. OAG Technologies Nigeria was specifically set up to provide structural, marine, mechanical, geotechnical, and pipeline engineering services to the oil and gas industry in Nigeria and Sub-Saharan Africa. Apart from the provision of engineering services, OAG Nigeria has particular interest in the empowerment of Nigerians through the local content initiatives of the Federal Government of Nigeria, for skill and technology transfer. OAG maintains a policy of local recruitment and training of local engineers in the country in which they are located, providing opportunity for aspiring to senior management in both technical and administrative roles.

Through the use of most up-to-date tools, technologies and engineering knowledge, we are able to deliver cost-effective and technically sufficient solutions. Our in-house staff, independent consultants and technical partners have a long history of involvement in the design of engineering solutions to client's requirements. Our very experienced engineers have worked on projects worldwide, providing services including conceptual, Front-end engineering and design (FEED) and detailed engineering and design of new offshore infrastructures; including conventional platform structures, compliant towers, and floating production installations (FPI). Our engineers have considerable experience in the integrity management of offshore structures, including optimized inspection planning, quality assurance and quality control of survey activities, engineering evaluation of anomalies, actual assessment of structures for increased loading, damage, or regulatory requirements; and design of remediation schemes.

Our staff, comprising of structural, mechanical, geotechnical, computational fluid dynamicists, can combine an in-depth knowledge and use of recognized industry standard/practices and advanced numerical modeling competencies often required in the engineering, design, and assessment of offshore structures. Our expertise is supported by a range of available software and hardware including, SACS-WAMIT, USFOS, ABAQUS, FLUENT, GRLWEAP and extensive application/use.

We provide services in the following areas:

- Provision of QA/QC services for offshore inspection activities
- Conceptual, FEED and Detail Engineering and design of offshore structures for shallow and deepwater
- Assessment of Existing Structures including linear and non-linear ultimate strength analyses
- Advanced linear and non-linear finite element analyses required for structural design and assessment of existing structures
- Design of Strengthening, Modification and Repair schemes
- Earthquake structural and geotechnical engineering, including static and dynamic soil-structure interaction analysis
- Pipeline structural and flow engineering
- Third party verification
- Forensic engineering
- Non-destructive and destructive testing

### Quality Assurance Management

OAG has put in place formal procedures for Quality Assurance that fully meets with the requirements of ISO 9001.

**OAG Technologies**  
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