



Rig IRM Services Case Study
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Rig IRM Services

K2 provides Inspection, Repair and Maintenance (IRM) packages to drilling contractors worldwide. We integrate diverse skills such as inspection, welding and engineering with an ability to access the most remote industrial locations quickly and safely.

K2 provides fleet-wide and region-wide services, passing on the benefits of our efficiency through our competitive pricing. Our multi-disciplined field teams use Rope Access and structural mobile platforms as an alternative for scaffolding or cradle systems, saving our clients time and money.

Our Inspection Capabilities

- API RP 4G Derrick Survey Inspection Report
- Rig Audit to API, IADC, IMCA and other relevant standards
- Rig Commissioning Services – install, test, ensure certification and create tracking system for all equipment
- Lifting Equipment Surveys to international statutory codes such as LOLER
- DROPS Survey and appropriate staff training
- COMPEX Survey of electrical items in explosive areas
- Critical Load Path Survey
- Pressure Relief Valve and Critical Gauge Testing Certification
- API RP 2D Crane Inspection
- Hull Integrity/ Classification Survey
- Thermo-graphic Survey

Through our field teams and office staff K2 has a wealth of technical knowledge, including mechanics, engineers, naval architects, safety trainers and metallurgists. This resource is available to our teams and our clients to identify problems, so that we can offer sensible solutions that address the priorities our clients must balance in their decisions including safety, budget and timeliness.



Inspection Capabilities

- Derrick Survey
- Rig Audit
- Rig Commissioning
- Lifting Equipment Survey
- And more...

K2 has a fully commercial training centre that offers both external trainees and internal trainees the opportunity to be educated into international certification schemes for safety, competency and skills relevant to the offshore industry. In this way we uniquely separate ourselves from our competitors by ensuring that personnel are fully briefed and correctly certified before being involved in any project.

Our Repair & Maintenance Capabilities

- Drilling package upgrade and overhaul (also see Engineering)
- Electrical systems installation and repair
- Drilling equipment maintenance and overhaul
- Localised coating repairs
- Redundant Material Removal
- Welding and Fabrication
- Tank inspection and steel renewals
- Supply and installation of ladder safety systems
- Hotwork Enclosures

Accreditation

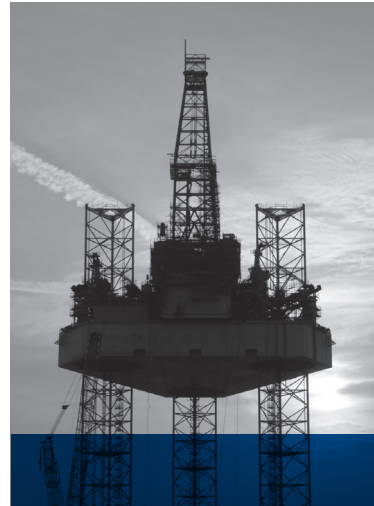
We are accredited by ABS, DNV and Lloyds for Hull Integrity and Classification surveys. All our Inspection, Repair and Maintenance work conforms to international safety statutory codes such as API.

Global Reach

K2 has a permanent presence in four continents. Our teams are experienced in collaborating cross departmentally and internationally, carrying out inspection, repair and maintenance works in many geographical locations while maintaining centralized reports.

Dedication to Safety

K2 operates with an uncompromising attitude towards safety. We are committed to ensuring all works are completed according to our stringent HSE procedures, founded upon international standards such as those specified by the Industrial Rope Access Trade Association (IRATA) and American Petroleum Institute (API).



Repair & Maintenance Capabilities

- Drilling Package Upgrade
- Electrical Systems Installation
- Drilling Equipment Maintenance
- Localized Coating Repairs
- And More ...



Online Database

K2's online report-database provides both report hosting as well as interactive report upgrading. The format is used to host relevant inspections for all types of Drilling Units and FPSO's. The server hosts multiple assets and multiple reports so it is suitable for use on individual assets, regional fleets and global fleets. A dashboard provides summary information at a glance – in particular the last date and next due date for all inspection types. Auto-notification sends the Asset Manager an email reminding them that the inspection will be falling due one month in advance.

Importantly, clients can take ownership of various parts of the database, including updating and removal of new or redundant items, as well as generating safety books at the click of a button for their own staff to carry out internal, cyclical safety checks. K2 firmly believes that this information belongs to the client, not to the inspection company and all information can be downloaded and provided to the client in Excel format at any time.

K2 Drilling Services - Rig Dreamweaver									
THOROUGH EXAMINATION REGISTER									
SEARCH REGISTER									
Item ID	Description	Location	SWL	Inspection Date	Next Inspection Date	Status	Report Number	Certificates	Colour Code
BOP-01	Fabricated Padeye	Under Drill Floor	8 t	02-Nov-12	02-May-13	Accepted as per API RP 2A standards and regulation for fabricated oadeyes	2012-372-LGI/1698	View	Green
BOP-02	Fabricated Padeye	Under Drill Floor	8 t	02-Nov-12	02-May-13	Accepted as per API RP 2A standards and regulation for fabricated oadeyes	2012-372-LGI/1108	View	Green
BOP-03	Fabricated Padeye	Under Drill Floor	8 t	02-Nov-12	02-May-13	Accepted as per API RP 2A standards and regulation for fabricated oadeyes	2012-372-LGI/1133	View	Green
BOP-04	Fabricated Padeye	Under Drill Floor	8 t	02-Nov-12	02-May-13	Accepted as per API RP 2A standards and regulation for fabricated oadeyes	2012-372-LGI/1134	View	Green
BOP-05	Fabricated Padeye	Under Drill Floor	8 t	02-Nov-12	02-May-13	Accepted as per API RP 2A standards and regulation for fabricated oadeyes	2012-372-LGI/1110	View	Green
BOP-06	Fabricated Padeye	Under Drill Floor	8 t	02-Nov-12	02-May-13	Accepted as per API RP 2A standards and regulation for fabricated oadeyes	2012-372-LGI/1100	View	Green
BOP-07	Fabricated Padeye	Under Drill Floor	8 t	02-Nov-12	02-May-13	Accepted as per API RP 2A standards and regulation for fabricated oadeyes	2012-372-LGI/1699	View	Green
BOP-08	Fabricated Padeye	Under Drill Floor	8 t	02-Nov-12	02-May-13	Accepted as per API RP 2A standards and regulation for fabricated oadeyes	2012-372-LGI/1700	View	Green
OC-01	Fabricated Padeye	Under Driller Side Cantilever	2 t	02-Nov-12	02-May-13	Accepted as per API RP 2A standards and regulation for fabricated oadeyes	2012-372-LGI/1114	View	Green
OC-02	Fabricated Padeye	Under Driller Side Cantilever	2 t	02-Nov-12	02-May-13	Accepted as per API RP 2A standards and regulation for fabricated oadeyes	2012-372-LGI/1115	View	Green
OF-01	Fabricated Padeye (V-door post)	Under Drill Floor	3 t	02-Nov-12	02-May-13	Accepted as per API RP 2A standards and regulation for fabricated oadeyes	2012-372-LGI/1701	View	Green
OF-02	Fabricated Padeye (V-door post)	Under Drill Floor	3 t	02-Nov-12	02-May-13	Accepted as per API RP 2A standards and regulation for fabricated oadeyes	2012-372-LGI/1702	View	Green

Various levels of management can access the portal at various levels subject to the authorisation required, allowing operation managers a holistic view, but providing detailed information for asset managers. The overall system has been designed to be simple to use and easy to maintain for busy operators.

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