

FACTORIG

Rig Inspection Experts



What is FACTORIG?

- Fact-O-Rig™ is a trademark of Dietswell S.A. that identifies our Rig Inspection and HSE Auditing services.
 - **Inspections** focus on equipment conditions and specifications
 - **Audits** focus on HSE management systems and onsite implementation
- Our clients are O&G Operators and Drilling Contractors.
- The purpose of an inspection and/or audit is to eliminate immediate operational risks and minimize future hazards to our client's drilling projects.
- Services are delivered by Inspectors (Mechanics and Electricians) and Auditors (QHSE specialists) with operational experience, using dedicated Fact-O-Rig™ software and methodologies.

Our Inspection Services



Level	Name	Description	Usual Job Name	Rig Situation
1	Certification	Check of critical equipment certification	Certification Audit	All
2	Visual Inspection	Standard visual inspection of all rig equipments	Standard Condition Survey, Pre-hire Survey, Follow Up Survey,	Rigged up or running
3	Acceptance Testing	Visual inspection + functional testing + load testing		Best if Rigged up
4	Commissioning	Detailed check of each equipment as per drawings and procedures	Commissioning	New rigs, rigged up
5	Expertise	Incident investigation, Trouble Shooting, Rig modification	Expertise	Depends on the scope

Our Auditing Services

Our offer covers the following management systems:

- Occupational Health & Safety (OHSAS18001)
- Environment Management System (ISO14001)
- Quality Management System (ISO9001 & ISO/TS 29001)
- Preventive Maintenance Management System

Our management system audits assess the following elements:

- Leadership & Commitment
- Policy & Strategic Objectives
- Organization, Resources and Documentation
- Evaluation and Risk Management
- Planning & Procedures
- Implementation & Monitoring
- Auditing & Reviewing

Audits are also provided at Contractors' Operational Bases and Rig Sites

Inspection Software

- Our dedicated Rig Inspection Software tool has several advantages including:



- Customized Methods
 - Inspection check lists and projects are built into the server according to the client's requirements
- Daily Reporting
 - Inspectors in the field feed the server with the requested information
- Risk Mitigation
 - The information provided by inspectors in the field provide risk assessments and proposes immediate corrective actions
- Extranet Access
 - Regular synchronisation and extranet access allow the FACTORIG HQ to provide additional analysis to the field work, and client to follow work progress in real-time.

Meet Some of Our Inspectors



Philippe Dessert

- Senior Electrical Inspector

- Joined Factorig in 2006
- Over 40 Inspections Completed
 - Land Rigs
 - Jack Ups
 - Semi-Submersibles
- Electrical Rig Commissioning Expert
- Over 35 years of Offshore Drilling Rig Experience as:
 - Chief Electrician (Forex Neptune)
 - Preventive Maintenance Supervisor (SEDCO-FOREX)
 - Maintenance Manager (Schlumberger)



Bernard Duperray

- Senior Mechanical Inspector

- Joined Factorig in 2008
- Over 30 Inspections Completed
 - Land Rigs
 - Jack Ups
 - Semi-Submersibles
- Rig Commissioning Expert
- Over 30 years of Offshore Drilling Rig Experience as:
 - Chief Mechanic (Forex Neptune)
 - Mechanical Supervisor (SEDCO-FOREX)
 - Maintenance Supervisor (Transocean)
 - Mechanical Engineer (Dietswell)



Jean-Lucien Canteloube

- Senior Inspector

- Joined Factorig in 2009
- Offshore Inspections Completed
 - Aban VII (UAE)
 - Gorilla V (Gabon)
 - Trident VIII (Gabon)
- Rig Commissioning Expert
- Over 30 years of Offshore Drilling Rig Experience as:
 - Chief Mechanic (Forex Neptune)
 - Preventive Maintenance Supervisor (SEDCO-FOREX)
 - Chief Engineer (SEDCO-FOREX)
 - Mechanical & Electrical Engineer (Dietswell)



Michel Bailly

- Senior Mechanical Inspector
 - Joined Factorig in 2006
 - Onshore Inspections Completed
 - Various Land rig, Electrical and Mechanical rig, trailer mounted workover rig, etc... (Oman, Libya, Nigeria, Syria, Kuwait)
 - Offshore Inspections Completed
 - Will Force Jack Up (Singapore)
 - Over 30 years of Drilling Rig Experience as:
 - Chief Mechanic & Fleet Internal Inspector (Forex Neptune)
 - Chief Mechanic (Pride Forasol – COFOR – DMM)

Dasarathan Vasudevan

- Senior Electrical Inspector



- Joined Factorig in 2010
- Rig Acceptance Completed
 - SHER III (India)
 - JayBee Rig (India)
- Over 25 years of Drilling Rig Experience as:
 - Electrical Superintendent Engineer (ONGC)
 - Electrical Supervisor (Muscat Overseas Oil & Gas Drilling)
 - Chief Electrician (Dragon Oil)
 - Preventive Maintenance Manager (Precision Drilling)

Laurent Hemon

- Senior Subsea Expert

- Joined Factorig in 2010
- Offshore Experience in
 - Southeast Asia
 - West Africa
 - Brazil
- Subsea Equipment Maintenance Expert
- Over 25 years of Sub-Sea Experience as:
 - Subsea Supervisor (Transocean)
 - Rig 701, Sedco Energy, Deepwater Discovery, Rig 602, Rig 601, Rig 703, Rig 709, Sedco 1
 - Subsea Supervisor (Forex Neptune)
 - Drill Star, Pentagone 82, Searex 1

Mathieu Jarry

- HSE Auditor



- Joined Factorig in 2006
- Performed HSE Audits & Training
 - HSE Field Audits (TOTAL-Russia-Gabon)
 - HSE-MS Audits (TOTAL, Repsol)
 - HSE Training (TOTAL-China, OMV-Kurdistan)
 - HSE Assistance (TOTAL-China, OMV-Kurdistan)
 - HSE-MS redaction (Voyageur-Tunisia, DMM–Algeria)
- HSE Experience as:
 - Rig Site HSE Advisor (DMM, Dietswell)
 - HSE Engineer (Dietswell - Factorig)
 - HSE Assistance Software Development (Factorig)

Our Quality Commitment

- The Fact-O-Rig™ Quality System is ISO-certified for the provision of inspections and audits of drilling rigs and associated equipments, including acceptance testing and commissioning:
 - ISO9001:2000
 - Quality Management
 - ISO/TS 29001:2003
 - Quality Management for O&G Services
- The Fact-O-Rig™ HSE MS follows the requirements of the following certifications:
 - ISO14001: 2004
 - Environment Management
 - OHSAS 18001
 - Occupational Health & Safety Management

ISO Certified



CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

**DIETSWELL SA
Guyancourt
France**

has been approved by Lloyd's Register Quality Assurance France SAS
to the following Quality Management System Standards:

ISO 9001:2000

The Quality Management System is applicable to:

**Fact-O-Rig: procurement of inspection / Audit services
for drilling rigs and associated equipments
(including acceptance testing and commissioning).**

**Salveo: procurement of technical and consultancy services
for the oil field industry.**

This certificate forms part of the approval identified by certificate number FQA 4000213.

Approval Certificate No: FQA 4000213A	Original Approval: 17 October 2005
	Current Certificate: 17 October 2008
	Certificate Expiry: 16 October 2011


Issued by: Lloyd's Register Quality Assurance France SAS



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This is to certify that the Quality Management System of:

**DIETSWELL SA
Guyancourt
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has been approved by Lloyd's Register Quality Assurance France SAS
to the following Quality Management System Standards:

ISO/TS 29001:2007

The Quality Management System is applicable to:

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**Salveo: procurement of technical and consultancy services
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Approval Certificate No: FQA 4000213B	Original Approval: 17 October 2005
	Current Certificate: 17 October 2008
	Certificate Expiry: 16 October 2011


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Recent References



General Overview

- Factorig has performed more than 100 inspections in the past 4 years
- We have inspected and commissioned onshore and offshore units ranging from:
 - Land Rigs
 - Platform Rigs
 - Tender Barges
 - Jack Ups
 - Semi-Submersible Rigs
- In all regions of the world including:
 - West Africa
 - MENA
 - Southeast Asia
 - North Sea

Onshore

Operator	Services	Country
TOTAL	Pre-Hire Rig Survey Rig Inspection Acceptance Testing HSE Audit	AFRICA: Gabon, Mauritania, Nigeria ASIA: China EUROPE: France, Russia MENA: Libya, Syria, UAE
REPSOL	Acceptance Testing Standard Rig Inspection HSE Audit PMS Audit	MENA: Libya, Algeria
OMV	Commissioning Witness Assistance HSE Assistance	EUROPE: Turkey MENA: Iraq
TULLOW	Acceptance Testing	AFRICA: Uganda
PERENCO	Acceptance Testing	MENA: Tunisia
PETROGAS	Acceptance Testing Rig Inspection PMS Audit	MENA: Oman
NOC (Various)	Acceptance Testing	MENA: KOC (Kuwait), WAHA (Libya)

Offshore

Operator	Services	Rig Types	Rigs Inspected
TOTAL	Pre-Hire Surveys Standard Inspection Acceptance Testing Technical Recommendations Advanced Expertise Incident Investigations	Platform Rigs Tender Barges Jack Ups Semi-Subs	SEMI-SUB SEDCO 700, GSF Aleutian Key TENDER Seadrill 5, Smedvig T8, West Menang JACK-UP Noble Roy Rhodes, Aban VII, Seawolf Oritsetimeyin, Rowan Gorilla V, GDI Gulf-2, Trident VII, Constellation 1, GSF Monitor
REPSOL	Acceptance Testing	Jack Ups	Will Force
TULLOW	Acceptance Testing	Jack Ups	Pride Cabinda Seadrill 3
ADDAX	Acceptance Testing	Jack Ups	GSP Atlas
PERENCO	Acceptance Testing	Jack Ups	Pride Cabinda

Commissioning

Operator	Rig	Project Description	Country
PETRONAS	RCR1200	Modular Swamp Barge Drilling	Sudan
REPSOL	DMM2	Desert Drilling	Algeria
MEDEX	DMM1	Desert Drilling	Algeria
ENI	FMWR	Fast Moving Workover Platform Rig	Libya
ENI	SSDXVIII	Platform Rig	Congo
TTOPCO	IRI900	Land Rig	Iraq

QHSE Audits

Operator	Project Description	Country
TOTAL	HSE Assistance HSE Field Audit & Training HSE & Maintenance Recommendations	China Russia Gabon
REPSOL	HSE & PMS Audit	Libya
PERENCO	HSE Implementation PMS Audit Quality System Audit	Gabon
VOYAGEUR	HSE MS Redaction	Tunisia
OMV	HSE Assistance HSE Training	Irak-Kurdistan

Contact Us



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