

Senior QHSE +S (Security) & CIP Specialist Michel Friedman

French Passport holder

born 1957-03-10

Residencia calle libertad 687 dpto. 7c Santa Cruz de la Sierra cp. 04876 Bolivia

Covid 19 vaccination (SINOPHARM) completed 2021-04-27

Summary/ Cover Letter:

I am a SSU/HSE (seismic drilling and Shore base advisor, I can provide HSE guidance in all aspects of HSE upstream and mainly now in drilling & well testing operations, as well as Shorebase management with marine, shipyard and HSE logistics. I can support operations from both an office or worksite environments. I can provide HSEQ Leadership to senior management, permanent staff and contractors like:

1. Bridging Documentation Specialist (High Risk Contractors)
2. Emergency Response Specialist
3. Lead Incident Investigator
4. Contractor HSE Management Specialist (HSE clause)
5. High Risk & Major Hazards Risk Assessment Specialist
6. Qualified internal Auditor (ISO 14001 & OHSAS 18001)
7. KPI / HSEQ Planning Specialist
8. Standards Compliance Advisor (ISO & API)
9. Rigging & Lifting Specialist
10. Competence & Skills Set Specialist
11. Technical Author / Writer
12. HAZID Workshop Coordinator / Specialist
13. Training / Coaching Needs Specialist
14. MODU / Vessel Assurance Advisor
15. Operations Readiness Review Advisor / Coordinator
16. DROPS Specialist / Surveyor
17. Behavioral Based Safety Specialist
18. The "HSE ON DUTY" Methodology

Duties

My HSE duties are following the preparations before and during the Invitation to tender of the project are:

- a. Assist the planning team and operations management in planning and follow-up of operations with regard to HSE in drilling activities and SSU (Safety, Security and Sustainability) of a drilling project.
- b. Drive the HSE work and the safety culture internally and towards drilling contractors and suppliers.
- c. follows aviation and supply providers with inspections
- d. Follow up HSE requirements (HSE clause in the contracts with the drilling/well contractor and others services companies)
- e. Follow up the drilling/well suppliers and ensuring that they exercise their responsibility for operation and maintenance of the drilling/well facility.
- f. Revise HSE procedures, HSE manual, and support the contractor in case of gap with our requirements.
- g. Establish for the project and follow up HSE programs and action plans onshore and offshore.
- h. Facilitate and contribute to quality in risk analyses, HAZID's etc.
- i. Help ensure that governing documentation and correct work processes apply in drilling and well planning.
- j. Coordinate the preparation of applications to the authorities and following up terms stipulated in permits/consents, as well as coordinating other regulatory correspondence.
- k. Assist in coordination and follow-up of monitoring plan and activities
- l. Assist in reporting, case handling of undesired incidents and non-conformities.
- m. Assist in application and following up dispensations
- n. Coordinate environmental reporting
- o. Coordinate emergency response planning;
- p. prepares bridging documents considering all implications and consequences in commercial contracts
- q. Prepare for and participate in offshore management visits
- r. Participate in the HSE network, and assist in HSE improvement work

HSE compliance through QA/QC activities

The HSE compliance is also a part of the activities because the HSE is functioning like a QA/QC for the drilling project evolution and development

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My sole direct contact mlf10357@yahoo.com

Rev of this CV 2020-08-12

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- 1.1 access to HSE information and procedure “Zero”
 - 1.2 HSE management system compliance in the project
 - 1.3 HSE-MS interfacing with others projects or activities
 - 1.4 HSE policy (global and specific to the project)
 - 1.5 targets and objectives setting project but on line with the company
 - 1.6 HSE risk management on project
 - 1.7 security management on project
 - 1.8 sustainability management on project
 - 1.9 environmental management on project
 - 1.10 HSE organization for the project
 - 1.11 competence assurance (CV review....)
 - 1.12 behavioral safety on the project (global system of the company, JV or specific, that's depend of the Bridging document)
 - 1.13 occupational health and welfare
 - 1.14 medical fitness to work
 - 1.15 working time in the project (day, rotation)
 - 1.16 mobilization /work start-up
 - 1.17 HSE reporting
 - 1.18 communications and HSE meetings
 - 1.19 management of sub-contractor
 - 1.20 HSE incentives
 - 1.21 HSE non-conformities
 - 1.22 emergency preparedness and response
 - 1.23 HSE incident management
 - 1.24 communication with third parties
 - 1.25 HSE audits, reviews and inspections
 - 1.26 HSE records
 - 1.27 substances abuse & medical prescription analysis
- works specific HSE requirement
- 2.1 HSE case(s) and statutory HSE plans
 - 2.2 HSE organization
 - 2.3 road safety
 - 2.4 PPE policies

During the day-to-day management of the rig and the Shorebase in operations and like a Safety, Security and Sustainability (SSU) / QHSE Drilling Advisor my expertise permits to support and supervise line management onshore and offshore in HSE related issues

- verify activities, loading of supply vessels, and verify aviation activities. Warehouse management
- Promote HSE work and safety culture for various drilling and well projects in the client and rig owners/contractors and service companies
- Participate in and coordinate risk analyses and HSE surveys (Stop card and observations during HSE tour)
- Intent do develop ISSOW stands for Integrated Safe System of Work. An Integrated Safe System of Work is used in drilling industry to request, review, approve and document tasks to be carried out by frontline workers. It integrates PTW, risk assessment, Simops, TBT adapted to the tasks, Loto system under a single electronic system, providing safety improvements to the users. If not possible to obtain, the HSE on duty use a simple excel with registers
- Maintain contact between each participant and coordinate HSE issues within various technical disciplines
- Coordinate the preparation of applications to the authorities
- Follow up regulatory requirements, contracts, and knowledge transfer and inspection activities
- Management of waste disposal after segregation (rig or base) with collect of final disposition certificates or recycling certificates by specialized firms
- Thermal desorption Drill cuttings, which can be contaminated in either water-based mud (WBM), or oil-based mud (OBM), and while its becoming common in more sensitive environments. (TCC techniques')

Sustainable activities and integration in the country of project: I have a specific formation for Africa and third world countries with a large experience in Corporate Social Responsibility on those countries.
(<http://www.istom.com/1.cfm?p=618-our-school-istom>).

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I prefer for contract overseas and I have a very large experience in South America, Africa, Asia and Middle East (Iraq during war and after) but I am open to any purpose if my knowledge can be useful. I am travelling single with rotation residence. I am flexible . By another way with my large experience in Iraq during and after war, I am able to work in sensible countries and remote areas in hostile place, managing people and sensibilities.

Additional Qualifications:

- Resident in South America Bolivia (VVI iata code)
- Fluent in Spanish, English, French, also able to use Portuguese and German
- Senior QHSE (S + ER +EER) & Environmental Manager

Years of experience:

- emergency response and crisis management 11 years
- Safety environmental, health, CIP and sustainable project of compensation 20 years
- Social mitigation during construction (6 big projects)
- Work in H2S high content (>160.000,00 ppm) 5 years
- Simop's and bridging operations 10 years
- Experience in the petrochemical and Oil & Gas Industry: 20 Years
- Decontamination, 16 years
- HSE, environmental affairs 20 years
- International: Middle East, Africa, Asia and South America
- Work contract long rotation or resident accepted (depend of the day rate) single status

The Positions I held have included:

- HSE field superintendent for rehabilitation and upgrade of existent field in Zubair. Eni workers operator of this contract-based Basra Iraq for this JV with INOC (Missan and SOC) with international oil and gas companies like Oxy and Korean Gas, Organization of Simop's documentation and bridging documentation with SOC, Contractor on drilling and workovers.
- QHSE Coordinator various team commissioning in well pads, Gathering Station and recovery plan sour gas in Puguang China for Sinopec (2x9 B cubic meters days sour gas at 1600000 PPM or 16% H2S)
- Project QHSE manager of Sintezneftegaz Namibia Ltd dealing with authorities for emergency plans like Oil spill, ER and merging HSE management of drilling offshore cie with Sintezneftegaz Namibia Ltd standards Simop's documentation and bridging documentation with all contractors on Drillship and foe the shore base
- QHSE Manager or merging of two CIE (Addax and PAE) , resettlement of HSE material, upgrade personnel and reorganization department
- Emergency Response – Crisis management Adviser for Sonangol P&P in Angola Africa
- HSEQ + S / Emergency manager for project – MNSTCI Project (KBR / Halliburton) in Iraq
- HSE-environmental manager JGC Middle East in Dolphin project Qatar.
- HSE-environmental Manager for Feed, Construction in big pipelines project in South America Gasyrg, Gasbol
- Waste management and decontamination with YPFB

Education:

Bachelor of Science DESTOM (safety and environmental problems in Industrial development overseas), France Masters of Health, Safety & Environment, France (environmental and safety in agrochemical use in tropical countries)

Institution: ISTOM

- (French National engineering School for Tropical sciences) Degree(s) or Diploma(s) obtained: Environmental forest & Agro Eng. for Tropical countries (DESTOM - FRANCIA). The typical formation for tropical countries in France is done at the ISTOM (see web page <http://www.istom.net>) (typical school for overseas and especially West Africa and Latin America)

Institution: Cirad

- Degree(s) or Diploma(s) obtained • Option Specialization in HSE and environmental problems for tropical industries (by example for oil industry.)
- Institution: TUV Rheinland Technical Degree(s) or Diploma(s) obtained / specialties
- Certified " ISO :14001 auditor" by TUV Rheinland, in full compliance with the requirements developed in the ISO 19011:2002 which provides guidance on the principles of auditing, managing audit programs,

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- conducting quality management system audits and HSE-environmental management system audits
 - Certified " OSHA :18001 auditor" by TUV Rheinland, in full compliance with the requirements developed in the ISO 19011:2002 which provides guidance on the principles of auditing, managing audit programs, conducting quality management system audits and HSE-environmental management system audits
 - Institution: DuPont safety division
 - Training Application of OMGR for TOP management
 - Training course Stop card for supervision
 - Training course Stop card for employees and operators
 - Training for to be assistant to teacher for Stop Card for supervision and Employee

Strata Inc:

Certified in Bioremediation of soils and water and oil spill response management by Strata Inc in full compliance with the requirements developed Battelle University which provides guidance on the principles of bioremediation

Specific training offshore

- BOSIET HUET,
- Basic Fire Fighting,
- Basic First Aid,
- Lifting and rigging on Shorebase using the UK reef normes
- H₂S
- LOTO
- PTW –Hot Work
- Confined space
- Dropped object
- Barrier control

Specific training Security

- Minimum security standards reference
- Defensive Driving,
- Driver Journey risk management plan
- Minimum duties for guards from security Provider Company
- Guidance on personal security on oversea assignment

Specific training Emergency

- Basic abroad security training
- Advanced security training (dangerous area)
- Rota duty manager emergency manager
- Training with m agency
- Sensibilisation crisis room,
- Advanced about cause tree analysis
- Management and crisis communication
- Medevac management with merp

Offshore certificates valid until 2023 (Huet and Bosiet)

Medical offshore until June 2019

Membership of Professional bodies:

Destom chartered / TUV chartered for ISO and OHSAS, DuPont Stop Card co trainer

Skills:

- Oil activities in general like HSE, HSE-environmental Supervisor with all Social mitigation during construction.
- Implementation of social project like compensations to construction (CIP programs involvement)
- Camp managements in oil field activities & with communities, providers, customers;

Additional Skills:

- HSE Policy, Standards & Procedures
- Contractor HSE Management and supervision (Simop's, bridging, MOC and follow up)
- CIP and sustainable part of EPC project
- Emergency response and crisis management
- Accident Investigation & Reporting
- Competence Assurance for HSE-critical positions
- HSE Performance data management & reporting
- Emergency response for Oil Spill

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- **Us department of defense accredited during war in Iraq 2003**

Company typical training:

- Petrobras Brazil norms technical "systema N" Contec / Engenharia Petrobras
- "global quality control" in oil and gas service company Petrobras Bolivia
- Repsol Magellan.
- "Quality management" with Petrobras norms

Key Qualifications: (Relevant to any positions)

- Oil activities in general like HSE manager or HSE-environmental Supervisor with all Social mitigation during construction. implementation of social project like compensations to construction (CIP programs involvement)
- Knowledge of the offshore and onshore industry, especially its processes and environmental impacts.
- Knowledge of the tropical and desert region, and in particular, an understanding of regulator and community concerns.
- Simop's and bridging organizations during operations.
- Knowledge of international requirements, practices and standards for environmental surveys and EIAs.
- Good inter-personal and organizational skills.
- Ability to manage teams. Training and management of personnel, motivation, particularly through induction training and regular toolbox meetings every morning, specifics training and formation of advanced workers in specific HSE activities like fire, first help, marine activities during the construction
- Creation of the HSE Passport (all the training is registered, use of specific stickers in case of specific training like fire, first help, marine activities during the construction internal audit and reporting to head of project organizing internal audits.
- Ensuring the administrative follow up of documents related to the HSE Management System through combined managements of ISO OHSAS norms with the manual Analysis, update and implementation of HSE procedures on site, based upon existing Policy.
- Revision of procedure methodology EPC revision A, B and liberation of the news procedures
- Management of the activities of HSE control system works properly (in HSE manual section and method statements)
- Organization of internal reporting of all the inspectors (every day) preparation of the participation in HSE coordination weekly and monthly meetings for worksite HSE control and providing the main HSE interface with the Client.
- Camp managements in oil field activities and with community's relation with providers, customers, Bidding in case of commercial activities and budget
- Chemical management in all constructions site with Hazop / Hasid risk assessment techniques given to the process of identifying credible hazards for a Quantified Risk Assessment (QRA)
- Waste and Wastewater management and recycling and Bioremediations of soils / water

Personal skills

- Pragmatic, Practical, Open-minded, Extravert personality and enjoy working in a multi-cultural team (Bolivian' wife by example)
- Able to relocate worldwide for a project if necessary (no child)
- Able to delegate with a backstage supervision (give a "mission" to a man is the best motivation)
- Always in research of the best solution for the men in the project, the HSE team and project management
- Adaptable to a new situation during the project, capacities of assimilation of new project
- Ability to analyze short medium and long terms consequences for a project
- Synthesize and reporting with project, local authorities, part of a full team in the Project
- Able to transmit HSE culture like a philosophy and not like a Rule or law to apply
- Interface with authorities or client and able to adapt me to the company culture
- Communicative and like a booster for a team along a project (natural authority)
- Convincing the team (friendly but clear in the HSE positions with the HSE team)
- Capacity for motivating a team like key man

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Career History:

11/2017 to the date

Based in Bolivia because the new projects do not prospect, I have developed activities with companies like Bolpegas with my Bolivian srl and my Delaware LLC, sanitary situation but also political Bolivia situation since 2018 also does not permit a clear vision for the E&P here in Bolivia

We are developing a midstream project , more Infos at hpp-proyect@bolpegas.com and new technology of exploration using satellite image for avoid seismic traditional , you can have a look at Linkedin <https://www.linkedin.com/pulse/use-rss-nmr-green-fields-refurbish-brown-oil-gas-part-friedman/>

I am also working on my personal project which is an Aparthotel have look at www.elsuto-aparthotel.net

2018 to the date NMR and RSS exploration in green and brown field

After an experience in OBN seismic for Total in Gabon where I am able to understand the interest of th refurbish, I meet the IGPE guys (my great father was from Ukraine) and I participated to develop the technology for mature fields. For an E&P major or no you must consider that green field is a lot of risks for perhaps nothing like discovery with the traditional seismic methodology. Our technology is very fast (400 000 square kilometers in 30 days) with a cost of 1000 to 3000 us Dollars per square kilometer and fast

I explain in a long document the strategy or use the NMR for an E&P company

<https://fr.slideshare.net/mlf10357/using-the-nmr-for-do-decision-in-e-p-project-development-considering-various-applications-in-green-or-brown-fields>

the NMR technology is explained here <https://fr.slideshare.net/mlf10357/nmr-scientific-presentation-of-an-innovative-technology>

2019/2020 free consultant in midstream project for Bolpegas

Bolpegas SRL (movie about Bolpegas at <https://www.youtube.com/watch?v=bcn7FnJcvIE>)

We have developed a large midstream project for all the Conosur,

“LNG Floating System” using the Paraguay- Paraná Hidrovía (HPP): Three options according to the infrastructure development status of regional markets (Paraguay, Uruguay, Argentine North and Southern Brazil).

This project is actual if you are considering the rivalry between KSA and Qatar, the project to develop gas in KSA for fight with Qatar and the north oil JV in Qatar. We have done this project like an alternative for export gas in new market the idea was an using the HPP, Qatar gas is involved with Exxon Mobil in Argentina

PDF about the project HPP <https://fr.slideshare.net/mlf10357/lng-floating-system-using-the-hpp-for-use-og-lng-in-all-conosur>

06/2017 to 10/2017

Location Columbia based Barranquilla with travel to Rig

Company JV Ecopetrol (operator) –ONGC prospect Mollusk block RC 9

Position QHSE Drilling Advisor / shore base management

During the day to day management of the rig in operations and like a Safety, Security and Sustainability (SSU) / QHSE Drilling Advisor my expertise permits to support and supervise line management onshore and offshore in HSE related issues

- Promote HSE work and safety culture for various drilling and well projects in the client and rig owners/contractors and service companies
- Participate in and coordinate risk analyses and HSE surveys (Stop card)
- Maintain contact between each participant and coordinate HSE issues within various technical disciplines
- Coordinate the preparation of training and day-to-day operation on quayside
- Follow up regulatory requirements, contracts, and knowledge transfer and inspection activities

11/2016 to 04/2017

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Location Home Based (Bolivia South America) with travels to Gabon (Africa)
Company Pura Vida Energy (Logistic and HSE department)
Position Logistic and HSE senior advisor (management with futures Contractors of Onshore Part of drilling)

Managing with Owners in Australia and Drilling project manager based in Houston the 3 wells project with Jack up from first class contractors, I was negotiating with quayside, supply, and authority's agreements with visits in Port Gentil. Project is in standby and in Farm In

10/2015 / 08/2016

Location Argentina
Company Wintershall Energia (Drilling / production HSE department)
Position QHSE senior advisor (SimOps Methods & field operation Procedures creator)

Developing HSE tools for Wintershall Argentina like HSE procedures like Simops, ERP, bridging document for drilling activities. Support like senior advisor all field activities (drilling in MPD way with directional in horizontal wells, fracking 1000 meters length in 10 steps, testing production at the same time on the same pad). Creating the HSE standard documentation for HSE in operations (day to day).

Supporting WIAR unconventional Management in creation of specific HSE MS for Argentina with the rules to be played in this country.

01/2015-09/2015

Location Europa, North Africa, West Africa (short time mission and work on office)
Company FandS LLC
Position QHSE senior advisor (Methods & Procedures, Audits)

- Developing HSE tools for various client of FandS LLC outside of O&G sector which is actually down. Procedures, ERP, bridging document in industry like transport logistic, construction. Considering situation of safety in some activities (construction) I developed a simple tool for support activities of the HSE safety men on big workplace with numerous teams, group of work or different and simultaneous activities <http://hse-on-duty.webatu.com>. Training and starting of activities of the new tool
- Developing the Simops system on rigs and during drilling onshore for Total-wintershall-Dea
-

08/14 to 12/14

Location Gabon Bloc Domaine la Torpille Gabon
Company Total Gabon (Fairfield Nodal vessel European Supporter. Offshore)
Position QHSE + ER manager for seismic campaign in domain La Torpille with European Supporter (FFN)

- Ensure that HSE processes are adhered to in accordance with FFN Company policies, standards and processes; industry best practices and standards; and in compliance with regulatory requirements for health, safety, and environment.
- Assist Party Manager, Captain and onboard personnel in all HSE issues, including the dissemination and implementation of safety policies, rules, and procedures within the scope of vessel operations.
- Coordinate with the Division HSE Manager and HSE department personnel to ensure effective use of best practices and consistency in approach to HSE responsibilities.
- Plan and participate in HSE audits/reviews of operations to ensure proper implementation and compliance.
- Support the implementation and achievement of HSE objectives and performance measures during all operational activities.
- Review existing HSE training plans and assist with developing specific training needs, which are to be included in the Learning Management System (LMS), and provide training, as appropriate.
- Ensure compliance within the Safety Management System through collecting, storing, tracking and reporting HSE performance data (e.g. Incident report findings, Statistical Data Sheet, Observation Cards, Safe Behaviour Audits, Audit actions [APL], Weekly Walkthrough inspections, and related HSE metrics).
- Participate and audit job-planning activities, including Toolbox Meetings, Permit to Work (PTW), Job Safety Analysis (JSA), and Hazard Recognition (Risk Assessments).
- Participate in risk management and HSE activities including risk assessments, audits, HSE Meetings (crew, committee,

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and stand down), departmental cross checks, daily and weekly walk through inspections, hazard hunts, and onsite work activities

01/14 to the 07/14

Location Namibia and Canarias based with travel to drillship Rowan Renaissance, Madrid and business trip
Company Repsol Int.
Position QHSE Drilling Coordinator / SSU Engineer in Exploration Drilling project

04/14- 07/14 Namibia Walvis Bay

Because the project in Canarias does not progress, I have been sent in Namibia for the wells developed by Repsol Namibia. I was in charge of 2 supervisors onshore and one on board of Rowan Renaissance. We do the campaign but no discovery for this well, permit to be familiar with the drilling contractor Rowan

01/14/04/14 Madrid and Las Palmas de Gran Canarias

My duties are the preparation of the project are:

- Assist the planning team and operations management in planning and follow-up of operations with regard to HSE in drilling activities and SSU (Safety, Security and Sustainability) of a drilling project).
- Drive the HSE work and the safety culture internally and towards drilling contractors and suppliers.
- Follow up HSE requirements (hse clause in the contracts with the drilling/well contractor and others services companies)
- Follow up the drilling/well suppliers and ensuring that they exercise their responsibility for operation and maintenance of the drilling/well facility.
- Revise HSE procedures and HSE manual and support the contractor in case of gap with our requirements.
- Establish for the project and follow up HSE programmes and action plans onshore and offshore.
- Facilitate and contribute to quality in risk analyses, HAZID's etc.
- Help ensure that governing documentation and correct work processes apply in drilling and well planning.
- Coordinate the preparation of applications to the authorities and following up terms stipulated in permits/consents, as well as coordinating other regulatory correspondence.
- Assist in coordination and follow-up of monitoring plan and activities
- Assist in reporting, case handling of undesired incidents and non-conformities.
- Assist in application and following up dispensations
- Coordinate environmental reporting
- Coordinate emergency response planning;
- prepare bridging documents considering all implications and consequences in commercial contracts
- Prepare for and participate in offshore management visits
- Participate in the HSE network, and assist in HSE improvement work

01/13 to 11/13

Location Namibia based Luderitz with travel to Rig Marianas TOE, Walvis Bay and Windhoek
Company HRT project Senergy in Namibia (HRT Africa SA)
Position QHSE Drilling Advisor / SSU Engineer in Exploration Drilling project

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- Maintain contact between each participant and coordinate HSE issues within various technical disciplines
- Coordinate the preparation of applications to the authorities
- Follow up regulatory requirements, contracts, and knowledge transfer and inspection activities

07/12 to 12-12

Location London Senergy Office
Company HRT project Senergy in Namibia

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- Participate in the HSE network, and assist in HSE improvement work

04/2012 to 06/12

Location Walvis Bay, Namibia
Company Enigma Chariot Oil Namibia Ltd BLOC 1811 Tapir 5 offshore drilling
Position QHSE Drilling Advisor / SSU Engineer in Exploration Drilling project

Set the HSE-MS manual Chariot Enigma Namibia Ltd, Emergency response procedure, Oil spill response procedures, duty manager procedures and create forms, guidelines, and policies for the new activities in Namibia Ltd.

During the day to day management of the rig in operations and like a Safety, Security and Sustainability (SSU) / QHSE Drilling Advisor my expertise permits to support and supervise line management onshore and offshore in HSE related issues

- Promote HSE work and safety culture for various drilling and well projects in the client and rig owners/contractors and service companies
- Participate in and coordinate risk analyses and HSE surveys (Stop card)
- Maintain contact between each participant and coordinate HSE issues within various technical disciplines
- Coordinate the preparation of applications to the authorities
- Follow up regulatory requirements, contracts, and knowledge transfer and inspection activities

03/2010 to 04/2012

Location; Iraq Zubair field, Basra
Company: Z-FOD Operator of the JV between ENI, OXY, KOGAS, NIOC, SOC, MISSAN
Position: HSE superintendent, Redevelopment of Zubair facilities and new development like Seismic, drilling of 250 wells and construction of news facilities for to arrive at 1, 2 Million Bopd.

Particularly in charge of HSE drilling operations, follow up, organization of HSE with safety officers, inspections (10 rigs of works over or drilling with international companies like KCA or local companies like IDC or AGC)

- Most important goal of our operations in the Zubair Field is to operate safely, to protect the health of our workers and neighbors, and to minimally impact the environment applying standards and tools like PTW, Audit, Bridging's and Simop's for operations on place of work)
- Eni-ZFOD Health, Safety and Environment (HSE) team and from SOC worked together to review and address the most important elements necessary for ZFOD to begin operating in the Zubair Field.

Senior QHSE +S (Security) & CIP Specialist Michel Friedman

French Passport holder

born 1957-03-10

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- Eni-ZFOD HSE team main work during 2010 and beginning 2011 focused on an assessment of the current condition of the Zubair Field, safety, environment especially on Rigs with Iraqi Drilling Company.

04/2009 to 11-2009 fixed end of contract

Location; China, Sichuan, Puguang Field Gas Gathering System
Company: Sinopec Zhongyuan oil field Company,
Position: QHSE coordinator, Commissioning Technical Assistance Services (contract executed SPIE OGS Malaysia with fixed term contract with determined number of days in the consulting agreement)

The gas transmission project for a capacity of 2x109m3/a Project mainly consist of 3 Gas Gathering Stations, 9 Development wells, 1 Gas Gathering Terminal station and 1 Waste Water Treatment Plant, 10 ESD valve chambers for the gas gathering network, 17. Km of acid gas pipeline and 563 km in sweet gas, 1 tunnel and 4 crossings. The 9 wells of the gas transmission project for a capacity of 2x109m3/a can reach a capacity of 27.4x108m3/a, accounting for 26% of the total production capacity.

12/2007 to 10/08

Location Walvis Bay, Namibia
Company Sintezneftegaz Namibia Ltd BLOC 1711 KUNENE offshore Drilling
Position QHSE Drilling Advisor / SSU Engineer in Exploration Drilling project

I Set for Sintezneftegaz Namibia Ltd the Emergency response, Oil spill response, Medevac response with remote conditions (head quarter in Walvis Bay at 700 kms of drilling in international water). Creation of QHSE-MS, creation of HSE procedures, guidelines, forms, policies, for the specific project which is the first international offshore drilling of the Russian cie. Set the HSE-MS manual of Sintezneftegaz Namibia Ltd, Emergency response procedure, Oil spill response procedures, duty manager procedures and create forms, guidelines, and policies for the new activities of Sintezneftegaz Namibia Ltd (first drilling offshore in international for the Sintez cie. working with a top management only Russian speaker.

My duties are the preparation of the project are:

- Assist the planning team and operations management in planning and follow-up of operations with regard to HSE in drilling activities and SSU (Safety, Security and Sustainability) of a drilling project).
- Drive the HSE work and the safety culture internally and towards drilling contractors and suppliers.
- Follow up HSE requirements (hse clause in the contracts with the drilling/well contractor and others services companies)
- Follow up the drilling/well suppliers and ensuring that they exercise their responsibility for operation and maintenance of the drilling/well facility.
- Revise HSE procedures and HSE manual and support the contractor in case of gap with our requirements.
- Establish for the project and follow up HSE programs and action plans onshore and offshore.
- Facilitate and contribute to quality in risk analyses, HAZID's etc.
- Help ensure that governing documentation and correct work processes apply in drilling and well planning.
- Coordinate the preparation of applications to the authorities and following up terms stipulated in permits/consents, as well as coordinating other regulatory correspondence.
- Assist in coordination and follow-up of monitoring plan and activities
- Assist in reporting, case handling of undesired incidents and non-conformities.
- Assist in application and following up dispensations
- Coordinate environmental reporting
- Coordinate emergency response planning;
- prepare bridging documents considering all implications and consequences in commercial contracts
- Prepare for and participate in offshore management visits
- Participate in the HSE network, and assist in HSE improvement work

During the day to day management of the rig in operations and like a Safety, Security and Sustainability (SSU) / QHSE Drilling Advisor my expertise permits to support and supervise line management onshore and offshore in HSE related issues

- Promote HSE work and safety culture for various drilling and well projects in the client and rig owners/contractors and service companies

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- Participate in and coordinate risk analyses and HSE surveys (Stop card)
- Maintain contact between each participant and coordinate HSE issues within various technical disciplines
- Coordinate the preparation of applications to the authorities
- Follow up regulatory requirements, contracts, and knowledge transfer and inspection activities

01/2007 to 10/2007

Location Gabon Port Gentil

Company Pan African Energy during and after merging Addax Petroleum Gabon

Position QHSE + S Manager Company during the merging of the 2 units (work visa problems at 2nd entry, I let after the 90 days business visa)

I was carrying out HSE Audits. Assist in Setting key performance indicators (KPI's) and their application as a Tool for Pro-active approach for the continual improvement process. Organize training in all matters of the HSE personnel. Assist local and international contractors with HSE processes in line with Company / Contractor. I have conducted Risk Assessments and develop HSE method statements and local safe work procedures for the Company and its Contractors and ensure their timely application at site like bridging and Simop's procedures on site during refurbish of assets and on rigs working onshore (4 rigs in one place) .

12/2005 to 12/2006

Location Angola / Luanda

Company SONANGOL P&P

Position Emergency Management – Crisis management responsible for Sonangol P&P

I was in charge to develop a proactive approach to HSE risk management, Responsible for all corporate emergency Response and crisis management.

I have organizing, HSE ER manual & documentation.

I was in charge to Develop the Corporate strategic objectives carrying out HSE audits & site inspections of asset & project activities. In charge of developing the HSE MS implementation plan on each asset

11/2005 to 12/2005 (very short times contract)

Location Vietnam / Vau-Tu

Company short-term consultant JP Kenny Melbourne

Position Risk management consultant for Vietsovpetro SA (fixed term contract with determined number of days in the consulting agreement)

Short-term consultant JP Kenny Melbourne as a day-to-day consultant with fixed term contract with determined number of days in the consulting agreement with to Vietsovpetro SA, a joint venture company undertaking a pipeline project in Vietnam.

11 /2004 to 11-2005

Location: Iraq and Kuwait

Company: MNSTCI Project (US department of Defense) in Iraq Global Middle East operations after golf war II, Main surveyors of KBR / **Halliburton Log Cap III** for HSE Matters Sole **French HSE with DOD status in the company**

Position: HSEQ + S / Emergency response manager for MNSTI project (Department of Defense Status level 3)

Iraq country Manager of a team of 16 supervisors + 44 coordinators + 18 Medicals doctors, I was In charge of all QHSE services like subcontractor of KBR/ Halliburton and CPA (US army & Coalition headquarters). It was the main contract in Iraq for camps construction, maintenance of roads, installations and oil storage stations, DFAC health and hygiene (92 camps or bases) Development of keys procedures like PTW Simop's, Bridging procedures during maintenance or construction activities

06-2004 to 11-2004 (long term contract stopped comparing with day rates offer for Iraq)

Location: Qatar Ras Laffan

Contract: Dolphin Energy Qatar: upstream and compression facility,

Position: Senior Hse-Environmental Manager Jcg Middle East

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In charge for the establishment of JGC's Corporate HSE-environmental Policy in the field works in the 4 sites of Dolphin Energy Qatar upstream and compression facility Ras Laffan (facilities, tanks farms, harbor access, pipeline and 3 camps

09/2003 to 06/2004 (fixed term contract)

Location: Bolivia, Chile, Peru
Company: Project "Consortium Pacific LNG gas pipeline"
Position: medium term consultant for Feed corporate department with determined number of days in the consulting agreement)

Pacific LNG gas pipeline project (partnership between Repsol, British Energy -Pan-American Energy for Sampras group in Mexico & one other group of cies Total, BP, Petrobras like outsider) is a gas pipeline project in Chile (Arica) and Bolivia for transportation to the Pacific Ocean. Company man for preliminaries studies (EIA) to the possible contract for the building of the pipeline Gas Pacific LNG for pipeline to Harbor of Arica. The political problems in Bolivia stops the project for some years IEA redacted with economical annexes after 5 months scouting on field with the possible roads.

04/2003 to 09 /2003 (short time contract)

Location: Based Bolivia, more in field for the project in Brazil, Peru
Company: Consortium "EURO RM" Inc
Position: Head of project for environmental affairs

Chief Of Party for an Environmental Impact Assessment for the \$ 500 millions for the building of the famous road corridor al Norte Cobija-La Paz – Guyaramerin (2000 kms crossing Brazil-Bolivia-Peru) Project based in north of Bolivia.

10-2001 to 03-2003 (staff position in Client team)

Location: From Yacuiba Bolivia to Rio Grande
Company: Petrobras Gas Boliviano / PETROBRAS Brasil SA for JV Transierra SA
Position: HSE-environmental Manager for Feed, Construction, as built resettlement of ROW,

I was in the position of Environmental / CIP manager directly contracted by Petrobras Brazil like HSE Environmental field manager for all HSE-environmental problems during the construction of the pipeline (430 km length 32 "diameter pipeline called Gasryg). Full management of 5 camps with 6000 workers with waste and waste water controls.

01-1999 to 10-2001(staff position)

Location: Bolivia, Brazil, Ecuador, Argentine (Based Bolivia)
Company: Ecobiotec Inc Canada
Position: Technical manager

Acting like technical HSE manager of Ecobiotec Ltda for all Latin America, in charge like contractor we participate in construction of Pipeline.

10-1997 to 12-1998 (staff position in construction team)

Company: GOB Gas Oriental Boliviano Ltda.
Position; QHSE Advisor/ Emergency response and crisis management
Part the corporate team of the owner Transredes (ex Enron now Prisma 50% and Shell 50 %) for the design, development & implementation of an integrated health, safety & environment management system for the Company GOB

02-1996 to 10-1997(staff position)

Company: Transportadora de Hidrocarburos de Bolivia SA (Ex YPFB)
Position: HSE Advisor & Emergency response crisis management
Responsible for the development of the HSE Management System to the company's onshore station (45), tanks (243) and pipelines facilities Development of keys procedures like PTW Simop's, Bridging procedures during maintenance or construction activities

01-1994 to 01-1996 (staff position)

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Company: YPFB (Bolivian National Oil Company), Bolivia
Position: HSE / Environmental manager before privatization of YPFB
Before the Privatization of the YPFB, I participated to the creation of the YPFB Waste Management subsidiary which has been developed with the intention of fulfilling the requirements of the environmental clearances.

02-1991 to 01-1994 (staff position)

Company YPFB (Bolivian National Oil Company), Bolivia
Position QHSE Advisor

I was responsible for the provision of HSE advice at the corporate level to the onshore, pipelines and refinery revamping operations. The company was operating both manned and remotely controlled production installations. Development of keys procedures like PTW Simop's, Bridging procedures during maintenance or construction activities

07-1985 to 12-1990 (staff position)

Location Central America
Company Rhone Poulenc Petrochimie (Rhodia de Mexico / Franquimica SA de CV)
Position: Regional Safety Products formulations in Mexico

The focus of the role was to ensure continual compliance with the environmental legislation and other License requirements during normal operation and construction new project.

10-1981 to 06-1985 (staff position)

Location West Indies and Central America
Company CIBA GEIGY America Central, Jamaica and Dominican Republic
Position safety, Health and environmental man for Local formulators and big clients
HSE audits, management sys, plans for various Partner of health, agro chemical or chemical partners of CIBA GEIGY

04-1979 to 09-1981 (staff position)

Location: West Indies, Cameroon / Ivory Coast
Cirad Services SA (like thesis man) technical assistance contract in SICABAM S.A. for safety and security in management and transportation (all the chain, Door to Door) Position like ATC development man