Licensing Rounds

"from before seismic first shot to extraction of the last oil drop"

Working with Governments

Exploration Reservoir Consultants
A getech Group Company





ERCL – Exploration Reservoir Consultants



A Specialized International **Upstream Oil and Gas Consultancy**

- Governments
- National Oil Companies
- Oil Companies
- Service Companies
- Universities

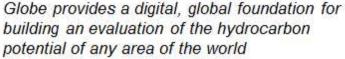
- License Rounds
- Advisory / Training
- Exploration / Appraisal
- Multi Client
- R&D / Technology

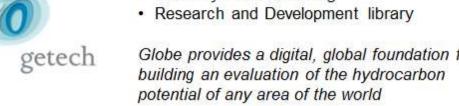


Globe

Hydrocarbon Potential Evaluation

- Gravity and magnetic data
- · Global and regional plate modelling
- Palaeogeographies
- Geological Structures
- · Earth Systems modelling









ERCL (now part of the getech Group of Companies) has established itself as one of the leading integrated consultancy businesses within the industry

Government and NOC Support



Institute of National Petroleum (INP) in Mozambique.

- Advisory services, projects, technical support and training



Empresa Nacional de Hidrocarbonetos (ENH) de Mocambique

- Advisory services, projects, technical support and training



Ministry of Energy and Water - Lebanon

- Advisory services and technical support



Petroleum Administration - Lebanon

- Advisory services and technical support



Government and NOC Support



Honduras

- Advisory services



Equatorial Guinea

- Advisory services and technical support



Namibia

- Advisory services / Database / technical support



- Advisory services / Database / technical support



Agência Nacional do Petróleo (ANP) - São Tomé e Príncipe

- Advisory services, technical support and training



Licensing Rounds – Working with Governments

Licensing Rounds assisting Governments and NOC's to deliver!

- The Timeline
- Preparation & Building the Team
- Key License Round Steps (Legal Financial Technical QHSE)
- Bid Evaluation
- Reporting & Transparency



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The Timelines

Several different timelines that need to be considered:

The Government ~ 5 Years +

Ministry / National Oil Company > 5 Years +

License Round ~ 1.8 Years

The Multi-Client Data Provider > 5 Years +

The Oil Company (License Round) ~ 1 – 8 – 30 Years

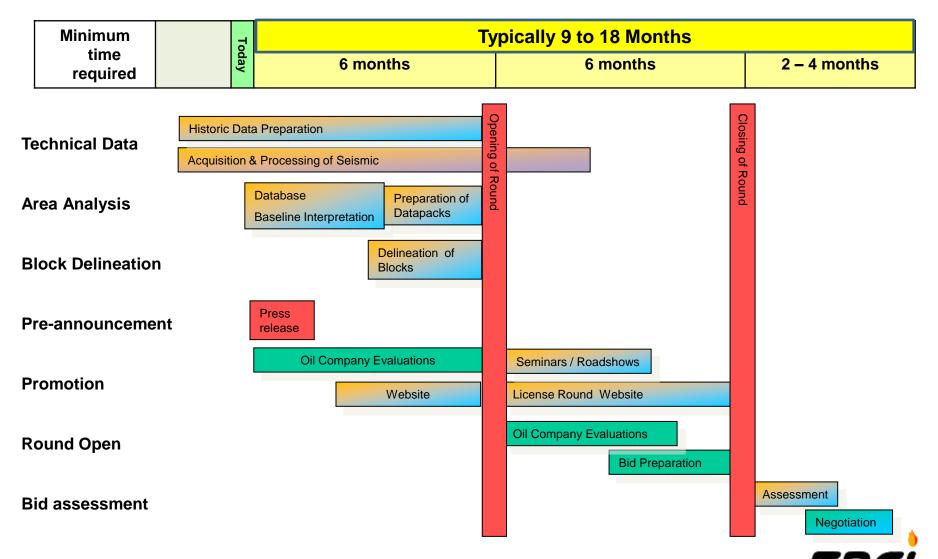
• The Press > 1 Day (but every day)

Note: Example Timelines

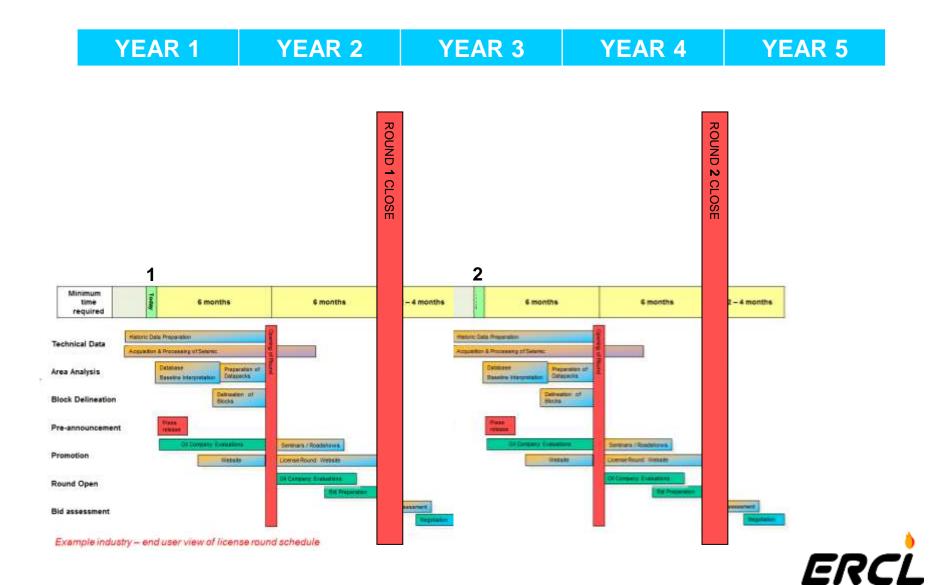


Licence Round Schedule

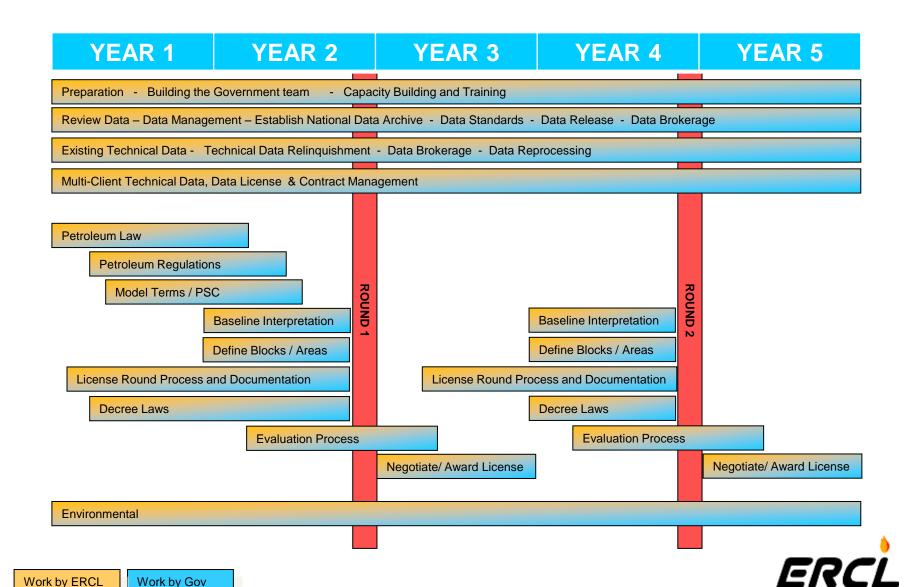
Work by Gov Work by ERCL Work by Oil Co Multi Client Co.



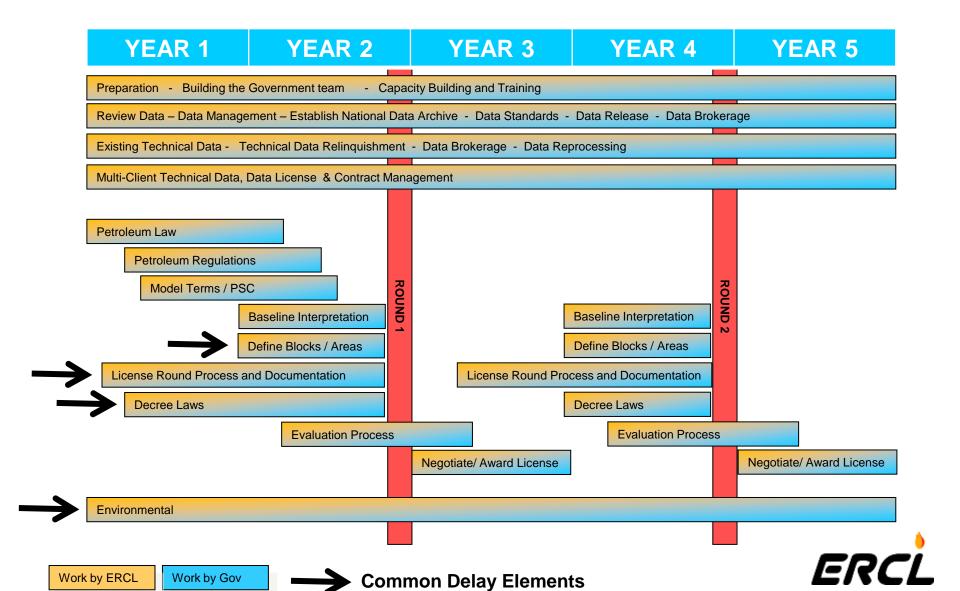
Government Process Highlights – 5 Year Cycle



Government Process Highlights – 5 Year Cycle



Government Process Highlights – 5 Year Cycle



Common Delaying Elements

Block / Area Definition

- Size
- Geology / Prospectivity
- Politics

License Round Process and Documentation

- Timing
- Biding Requirements
- Bonuses (Signature, Production)
- Economic Model

Law / Decree Laws

Approval Process (length of time)

Environmental

Under estimated the importance and emerging requirements



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The Government Team(s)

- Core Team typically 4/5 people, plus lead advisor (ERCL?)
- Wider Team typically greater than 20 people

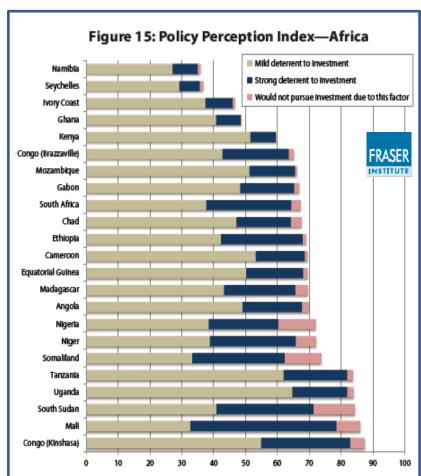
Ministries / Departments

- Petroleum / Geoscience / Energy
 - Legal
 - Technical
- Geologic Survey / Mining
- Finance
 - Economics
- Environmental
- Ministerial Advisory
- Transparency and Compliance
- Consultants
 - often externally funded NORAD, US Aid, ADB, EEC, World bank etc.



Example Licence Round Objectives

- Early production
- Which Areas Onshore v Offshore?
- Amount of acreage to be licensed?
- How many Areas / Blocks?
- Maximise work programmes?
- Credible Operators?
- Signature Bonuses v Work Program?
- Compete with other License Rounds
- Competitive Terms



Competitive Bidding
Increase both Work Programmes bid and Financials offered



Example Licence Round Objectives

Companies

- Gain at least 3 large operators with substantial & appropriate work programmes
- Gain 2 medium / smaller operators with appropriate work programmes

Areas

- Review previous
- Size of blocks / areas
 - Need to encourage bids and promote maximum exploration of whole area
 - Need to attract credible Operators
- Should all available areas or only certain areas to be licenced
 - Offer a range of plays to attract a variety of companies
 - Need to encourage competition and meet demand



Building the team

- Recruitment
- Capacity Building
- Training
- Role & Responsibilities
- Team Building



Need to think long term!

Time span 3 year – 5 year – 7 year plan



Capacity Building Recruitment & Training

2009	10 Geology Graduates Recruited
2009	6 Placed in Brazilian University for 1 year
2010	7 work on 10 month project with ERCL
2011	 1 attends MSc in London (Imperial College) 1 year, graduates with merit ERCL Support Application – Commonwealth Grant
2012	Industry Placements4 on placement with Anadarko in Houston4 on placement with ENI in Milan1 Died (Malaria)
2012	6 New Graduates Recruited
2013	2 New Graduates Recruited
2014	4 New Graduates Recruited

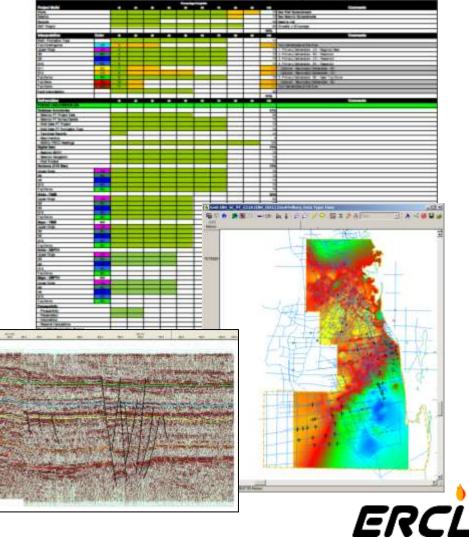




Capacity Building Project

Work Objectives

To develop internal capacity to improve Geological and Geophysical analysis, processing and interpretation of seismic and well data to best assess the commerciality of wells, project prioritization, and develop operator expertise



Building the Department / Ministry

- Resources
 - People
 - Financial
 - Legal
 - Technical
- Policy & Procedures
- Technology
 - Hardware
 - Software
- Standards
 - Data Licensing
 - Data Release
- Data
 - Reports
 - Seismic Data
 - Field Data, Processed Data
 - Well Data
 - · Digital, Core etc.
 - Workstation Projects
 - Interpretation, Kingdom, Petrel,

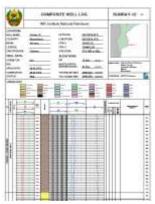


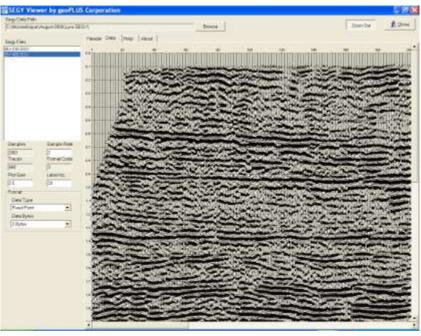




From Paper to Digital

- Wells
 - Digitise Old Well Logs
 - LAS Data Tapes
 - New Well Composites
- Seismic
 - Digital Navigation
 - SEGY online database
 - Processing enhancement
 - Scan Paper Seismic
- Workstation Projects
 - Petrel Projects
 - Kingdom Projects
 - IP Projects
 - GIS Projects







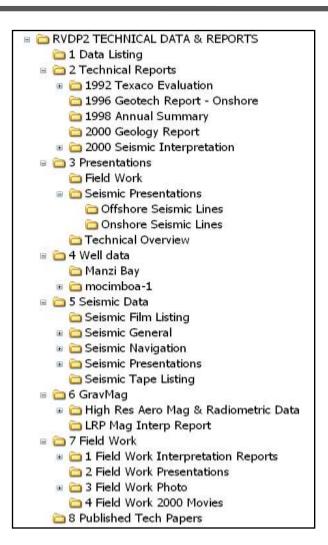
Reality - getting the data ready can be challenging!



Building the "Data-room"

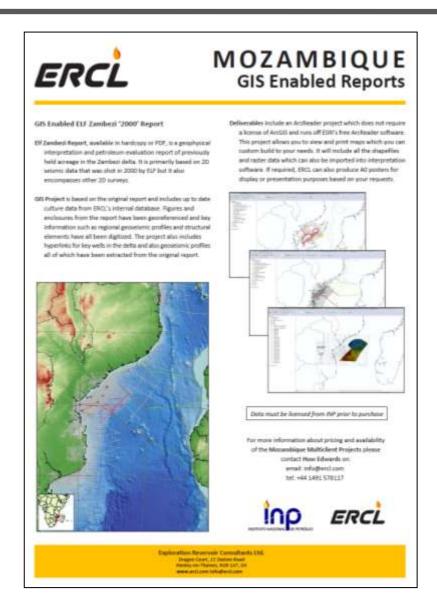
Data Packages

- Index
- Technical Reports (new digital library)
- Presentations
- GIS (Geographic Information System)
- Well Data
- Seismic Data
- Potential Field Data (Grav Mag)
- Satellite Data
- Field Work
- Workstation Projects





Added Value Products- GIS Enabled Reports



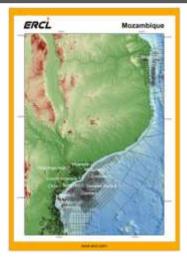
GIS projects

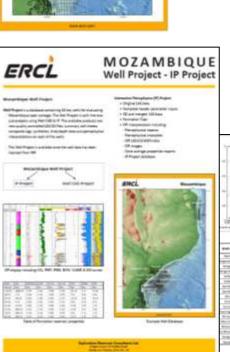
- ECL/ ENH 2000 Report
- Elf TEA Report

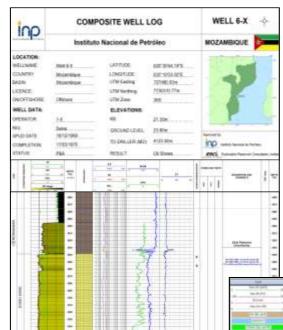




Added Value Products- Well project

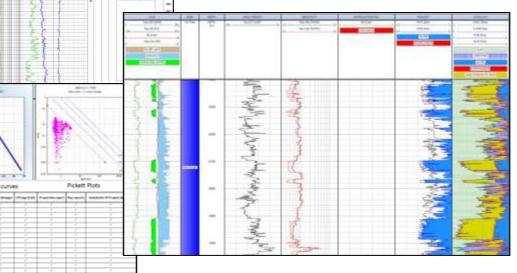




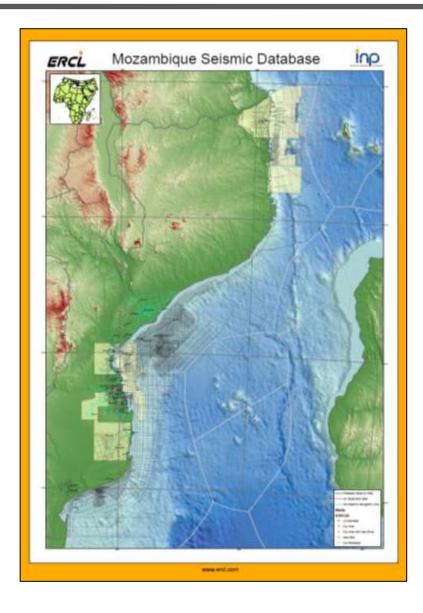


Interactive Petrophysics (IP) Project data available for licensing

- Well composites
- Petrophysics
- Qc'd LAS/LIS
- Petrophysical reports for Key wells ZDE-1 and Nemo- 1x



Added Value Products- Seismic Project

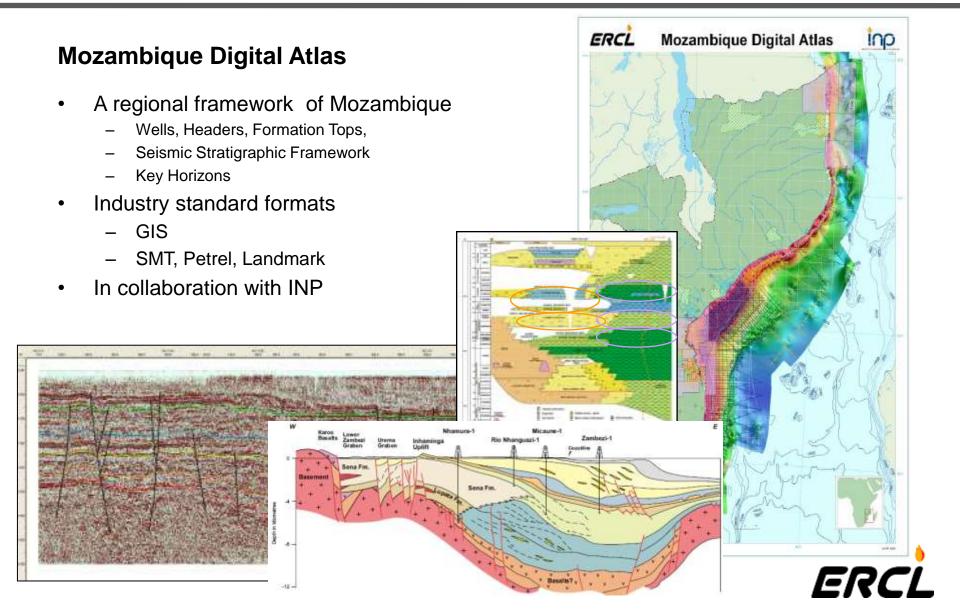


- Qc'd seismic SEGY in WGS 84 36/37S
- Workstation ready projects for Kingdom, Petrel, Geographix, DUG
- Well Synthetic ties and new time depth charts

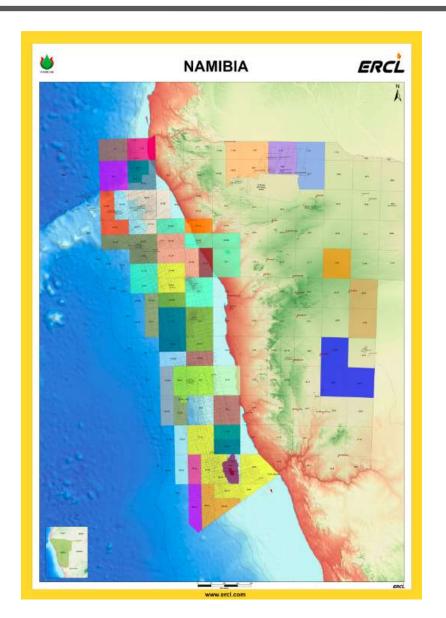




Multi Client Project



Multi-Client Seismic



Coordination and Management

Reprocessing and New Data

- 2D Seismic programs
- 3D Seismic programs

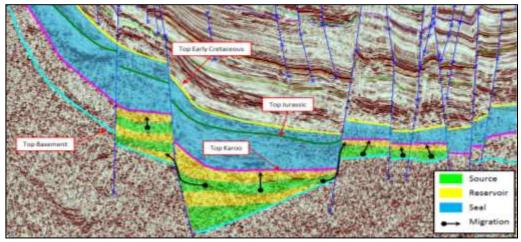
Interpretation Training

Delivery of Data to Government

Input to National Data Archive



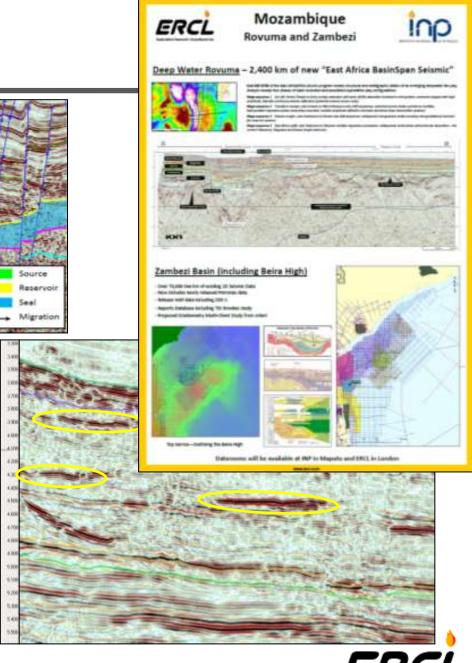
Baseline Interpretation



Definition of potential play concepts:

- Interpretation of petroleum elements (Source, Reservoir, Seal);
- Structural and stratigraphic traps;
- Possible migration pathways.

The baseline interpretation helps determine the prospectivity and the minimum work program parameters



Field Trips and Promotion









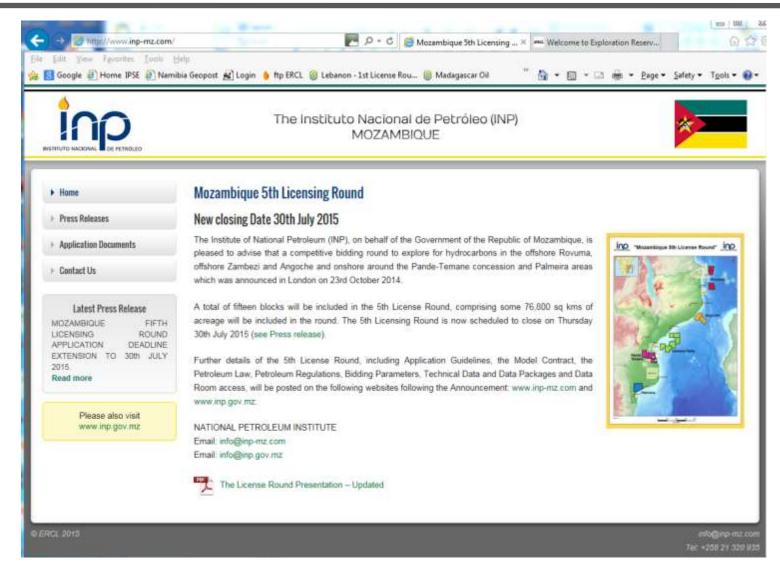
ONSHORE

Seven wells have been drilled onshore between 1947 and 1967. Bitumen and gas shows had been observed. Further geophysical surveys will be performed by Spectrum and Neos Geosolutions in the near future in order to assess the hydrocarbon prospectivity onshore. Spectrum will conduct a 2D seismic acquisition program up to 500 linear km with the objective of linking the offshore to the onshore and to better understand the geology in the vicinity of the drilled wells onshore. Neos Geosolutions typically works with multi-measurement interpretation (MMI) involving the integration of geological, geophysical, geochemical and petrophysical datasets. Typical geophysical measurements that will be performed using airborne acquisition surveying of large areas include magnetic, gravitational, radiometric and hyperspectral surveying. By the end of the year (Q4), a full comprehensive geophysical package will be available.





License Round Website – Ease of Operation





Licensing Rounds – Working with Governments

Licensing Rounds assisting Governments and NOC's to deliver!

- The Timeline
- Preparation & Building the Team
- Key License Round Steps
 (Generic Structure for Legal Financial Technical QHSE)
- Bid Evaluation
- Reporting & Transparency



Key License Round Steps

Application Guidelines

Produce a guideline of how the license process is intended to work

Application Guidelines

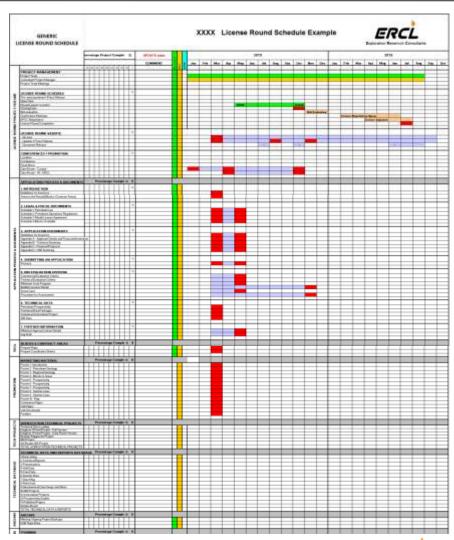
CONTENTS

- INTRODUCTION
- 2. THE COMPETENT AUTHORITIES
- LEGAL & FISCAL DOCUMENTS
- 4. APPLICATION REQUIREMENTS & FEES
- APPLICATION DOCUMENT
- 6. SUBMITTING AN APPLICATION
- 7. BID EVALUATION CRITERIA
- 8. PROCEDURE FOR ASSESSMENT
- 9. TECHNICAL DATA AVAILABILITY & ACCESS
- 10. FURTHER INFORMATION



Key License Round Steps - The Schedule / Project Plan

- Guideline
- Baseline Interpretation
- Blocks / Contract Areas
- Legal & Fiscal
 - Comparison
 - Review / update economic model
- Application Documents
- Bid Evaluation
 - Commercial
 - Technical
 - QHSE
- Technical data
- Promotion
- Training / Capacity Building





Legal and Fiscal

- Complete the Legal and Fiscal documentation as early as possible.
- Keep the Petroleum Law as generic as possible.
- Use Decree Law or License Round documentation to define
 - Relinquishment
 - Bonus
 - Blocks / Areas
 - Need to be in place before the License Round is announced
- Provide English Documentation / Official/Unofficial Translation



Example Decree Laws

- 1. Block Delineation
- 2. State Participation
- 3. Strategic Environmental Assessment
- 4. Documentation & Participation for Licensing
- 5. Petroleum Administration Assignment
- 6. Reconnaissance Licensing
- 7. Application Contents & Fees
- 8. Exploration & Production Phase
- 9. Relinquishment
- 10. Environmental Impact Assessment (EIA)
- 11. Area Fees
- 12. Royalty
- Petroleum Profit distribution & Sharing
- 14. Mortgaging
- 15. Petroleum Register
- 16. Risk Assessment and Safety
- 17. Management & Company Headquarters



GENERIC APPLICATION DOCUMENTS STRUCTURE

Appendix A - Applicant Details and Financial/Legal Information

Appendix B - Technical Application Summary

Appendix C - Financial Proposal

Appendix D - Health Safety Environment







Applicant Details and Financial / Legal Information

APPENDIX A

Appendix A contains financial information about the applicant and is required to support the license

Where there are two or more companies submitting a combined or joint application, the Government require the Appendix A completed by each applicant separately.

Companies are required to confirm that they are not in default of any obligations to the State.



Technical Application Summary

APPENDIX B

The technical submission shall contain the information requested on the following pages for each of the areas applied for.

Attached to the technical submission the applicant is requested to present brief and relevant documentation for each area of G&G studies and analyses focusing on aspects that are considered critical for an evaluation of the prospectivity of the area, such as:

- a brief and focused petroleum geological analysis, describing the prospectivity in the area applied for, critical factors, etc.
- a brief description of the seismic interpretation, well ties, etc., including attached interpreted seismic sections
- time and depth structure maps for prospective horizons, showing all identified prospects and leads
- brief description of the prospect evaluation
- description of the proposed obligatory work program and exploration strategy

The technical submission should also be provided on a separate USB or CDROM which should have adequate resolution of all the figures in order to show relevant details.



Technical Application Summary Sheets



As mud	h information as y	PECT / LEAD E possible should be stup with prospect	filled in (leads	ure not expect			e volue	e md	
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Prospect / Lead Structural element			Regard ty	Reported by (company & square reference / date)				Wair digita (su)	
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Summar (New row	ry of proposed of wo plantic apparent from	ork program: autponitrependran)		
First Exploration Period:	Other: Size:	2D Separate Acquisition: Size:	30 Seismin Arquettion: Size:	Dull Expl Weil Deptix Target USD
Second Extension Period:	Other: Size:	ID Seamon Adaption Size: USD	3D Seisnis As quistion: Size:	Delli Espl. Well: Depth. Target USD:
Third Extension Period:	Other: Size:	2D Seamic Acquestion: Size	30 Seinnic Acquestion: Size:	Delit Expl Weil Delit Target USD:
Re-process	v	station of existing ge- time ton without the scan up		nic / well) Line Kin White Region
New Interp	retation			

Financial Proposal

APPENDIX C

The proposal of the applicant for the obligatory work commitment and minimum expenditure amounts to be incorporated in the standard Bank Guarantee in respect of the Exploration Area (s) specified in the application must be stated.

Definite proposal with respect to all negotiable items as contained in the Model Exploration and Production Concession Contract must be stated, including bonus payments, training, institutional support that may be applicable.





Financial Proposal



APPENDIX C

Appendix C must contain the proposal of the applicant for the exploration work commitment and minimum expenditure in respect of each block(s) applied for as specified in the application.

Definite proposal with respect to all those items that are negotiable items as contained in the PSC must be stated, including, training and local content. Only those items indicated as blanks in the PSC are negotiable.

Tax and Royalty are as stipulated by applicable law and therefore non-negotiable.

A A A A A A A A A A A A A A A A A A A	NP-STP				**		
PSC COMMERCIAL PROPOSAL SUMMARY Applicant Name:							
Block Numbe	Block Number Applying for:						
Items			mmboe	US \$ (Million)	%		
Signature Bor	nus (Ref PSC Clause 2.1)						
Production Bo	onus (Ref PSC Clause 2.2))					
	Cumulative Production						
	Cumulative Production						
	Cumulative Production						
State Carried	Interest (minimum 10%) (R	Ref PSC Clause 8.1)					
State Carried	interest share of Profit Oil ((Ref PSC Clause 8.4)					
State Working	g Interest share of Profit o	il (Ref PSC Clause 8.5)					
Training (Ref)	PSC Clause 14.7)	Minimum per year					
		Maximum per year					
Social Project	ts (Ref PSC Clause 2.5)						
	Confirmed Social Projects	i					
	Additional Social Projects - Cumulative Production						
Additional Social Projects - Cumulative Production							
Total	First Phase Exploration 6	Period					
Expenditure commitment (ref PSC	Second Phase Explorati						
Clause 7.3)	Third Phase Exploration						
	TOTAL EXPENDITURE						

C. FINANCIAL PROPOSAL



Key Points

- Training
- Institutional Support
- Social Support
- Carried Interest
- R Factor
- Production Bonus
- Expenditure Commitments

E	PCC FINANCIAL PROPOSAL SU		
	Mozambique Third Licensing Rou	ınd	
Applicant Na	me:		
•••			
Items		US \$	%
Training			
Institutional St	upport		
Social Suppor	t		
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	st (minimum 10%)		
Cost Petroleu	m 		L
Production Share	R<		
R-Factor: Contractor	< R <		
Share	< R <		
	< R <		
Production	At the commence of initial commercial production:		
Bonus payable in US Dollar	When Production from EPCC Area first reach BOE/day average for a month:		
	When Production from EPCC Area first reaches each further tranche of		
Total	First Exploration Period		
Expenditure commitment	Second Exploration Period		
(US \$ million)	Third Exploration Period		

Health Safety Environment

APPENDIX D

An applicant should submit details of the Health, Safety and Environment protection company policy and record of the same for the last 3 years.

Note:

Legal requirement and Government objectives are to ensure the success of the systematic effort needed to prevent faults and dangerous situations, incidents and accident or undesired conditions arising or developing, and to limit pollution and injury to persons and damage to equipment, Facilities or property, that will support and maintain a favourable health, environment and safety culture that [must] pervade all levels of the company and its contractors organization as well as every individual activity or establishment.

The Government also recognizes that a favourable health, environment and safety culture is [also] needed to ensure consistent and continuous[al] development and improvement of health, environment and safety.



Appendix D

HSE

Often a Pass or Fail category

Operator

- a. QHSE Policy Statement(s)
- b. Evidence of established and implemented QHSE Management System(s)
- c. QHSE certification(s) according to best international industry practice (e.g., ISO certification 9001, ISO 14001 and/or OHSAS 18001), with copies of certificates approved by the awarding official entities.
- d. A copy of the Quality, Health, Safety and Environment Management System(s) (QHSEMS), or equivalent.
- e. A copy of Corporate Social Responsibility reports or initiatives for the past three (3) years.
- f. Experience as operator in environmentally sensitive areas.
- g. QHSE record of material events for the previous three (3) years including oil spills, site fatalities and injuries, major fires and explosions, mechanical/structural failures, emissions and waste, and main remedial efforts.

Partner / Non-Operator

- a. QHSE Policy Statement(s)
- Evidence of established and implemented QHSE Management System(s)
- QHSE certification(s) according to best international industry practice (e.g., ISO certification 9001, ISO 14001 and/or OHSAS 18001), with copies of certificates approved by the awarding official entities.



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Example Evaluation Process

- 1. Applications opened and basic information is entered in Master Evaluation Sheet
- 2. Sequence of the applications for Evaluation (by Area)
- 3. Evaluation Sheets (Excel) given to each team
- 4. Initial review are Applications valid (Fee Payment, meet minimum work program)
- 5. Initial summary Review Meeting
- 6. Commence detailed evaluation of Application Appendix A then B & C
- 7. Provide copy of completed evaluation sheet back to Evaluation Coordinator
- 8. Evaluation Coordinator sum scores
- 9. Evaluation Normalisation Review Meeting by AREA
- Clarification Questions Outlined
- 11. HSE Evaluation Review Meeting
- 12. HSE that are unclear or require specialist review refer to HSE specialist
- HSE Clarification Questions
- 14. Clarification Meetings / Bid Presentation or Written Questions
- 15. Finalisation of Evaluation Team Scores
- 16. Recommendations for Approval



First Steps

1. Check the Applications are valid

- Have they paid the application Fee ?
- Have they submitted all documents?
- Do the documents look to be complete / any sections missing?

Pre-Qualification Option?

2. Evaluation Appendix A

Do they meet the defined Company legal / financial requirement criteria ?

3. Evaluation Appendix D

– Do they meet the defined QHSE criteria?



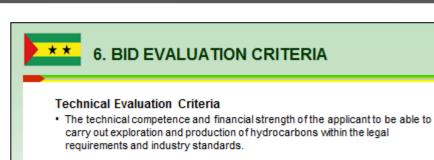
SCORE CARD Example Pre-Qualification



Lebanon – First License Round

	ANNEX 4		COMPANY NAME	New Company Name	4			
4.0	TECHNICAL CRITERIA AND REQUIRED DOCUMENTS		APPLICATION NUMBER	1000				
	AND DISCLOSURES		RESULT					
	An Annihonet may cook are an al-Prosting or a Bight Wolder. Conceptor and large Bight	Holder, Non Operato	a har collections that without and assessment to the	alon (months and disclosures out foutly be	dau			
4.1	Eligibility Criteria	Holder - Non-Operator by satisfying the criteria and presenting the documents and disclosures set forth below. An Applicant is eligible for such pre-qualification if it is able to demonstrate, to the reasonable satisfaction of the Petroleum Administration:						
		(Yes / No)	Clarification	Notes	Further Action / Audit	Pass / Fail / Pending		
1	Operator: Operatorship of at least one petroleum development in water depths in excess of five hundred (500) meters							
2	Non-Operator: Having established petroleum							
4.2	Technical Information	Value or (Yes / No)	Clarification	Notes	Further Action / Audit	Traffic Light		
1	A good faith estimate of the total capital expenditure in activities falling within the definition of "Petroleum Activities" in the Offshore Petroleum Resources Law in each of the last three (3) years.							
2	Number of offshore exploration wells drilled (as operator) in each of the last three (3) years.							
3	Number of offshore wells drilled (as non-operator) in each of the last three (3) years.							
4A	Number of offshore wells drilled (as operator) in a sub-salt environment (with water depths greater than five hundred (500) meters and less than one thousand (1,000) meters in each of the last three (3) years							
4 B	Number of offshore wells drilled (as operator) in a sub-salt environment (with water depths greater than one thousand (1,000) meters) in each of the last three (3) years.							

Bid Evaluation Criteria Example



- · The technical database used in making the application.
- The technical evaluation and obligatory work program. Preference will be given to bids which demonstrate an active and cost-effective exploration approach, with satisfying progress.
- HSE. Detailed environmental policies of the company should be stated with particular reference to environmental impact analysis and HSE Management.
- Level of local support and training. Local content in terms of commitment to training and growth of indigenous capability, indigenous manpower, and the use of services of the local industry should be indicated.
- Only bids that meet the minimum work program criteria and achieve a pass in HSE will be taken to the final stage where the commercial evaluation will take place.



ANP-STP

6. BID EVALUATION CRITERIA



Commercial Evaluation Criteria

The commercial evaluation criteria will be based on the following:

- Signature bonus;
- · Economic terms offered by the Applicant;
- Production Bonus for specific production thresholds;
- Projects to be undertaken in S\u00e3o Tom\u00e9 and Pr\u00eancipe.
- All bonuses offered shall be non-tax deductible and non-cost recoverable.
- Signature bonuses shall be payable in one tranche no later than 30 days after the date of signing the PSC.
- The final evaluation of the commercial offer will be based on a direct computation of all the commercial components of the offer.



5. BID EVALUATION CRITERIA



The Ministry of Minerals Resources and the National Petroleum Institute will take the following aspects into consideration:

- The technical competence and financial strength of the applicant to be able to carry out exploration and production of hydrocarbons within legal requirements and industry standards.
- The technical database used in making the application.
- The technical evaluation and obligatory work program. Preference will be given to bids which demonstrate an active and costeffective exploration approach, with satisfying progress.
- Economic terms offered by the Applicant
- Strength of the proposed systems, standards and management for health, safety and environmental protection.
- Level of institutional support and training.

Important Note:

INP encourages companies to present a technical proposal that will maximize the knowledge of the petroleum potential of the Area(s) applied for. The Score Card will be included in the Application Guidelines document to made available shortly.

Bid Evaluation Score Card



BID EVALUATION SCORE CARD EPCC 5th License Round

	Applicant Details and Financial Information	5
	Total Investment in E&P Exploration	1.0
4	Value (Market Cap) - Small to Large	2.0
×	Production of Oil and Gas	1.0
i <u>e</u>	Affordability of work Program Bid	1.0
Appendix	Applicant Technical Expertise	8
₹	Number of E&P wells drilled	2.0
	Technology - relevant to Area	4.0
	Number of discoveries	2.0
	TECHNICAL WORK PROGRAM	50
ω	Technical Database	8.0
. <u>×</u>	G&G evaluation already completed	10.0
<u> </u>	License Prospectivity	4.0
Appendix	First Exploration Period	22.0
₹	Second Exploration Period	5.5
	Third exploration Period	0.5
	FINANCIAL PROPOSAL	37
ပ	Training	2.0
×	Institutional Support	5.0
Appendix	Social Support	2.0
d	State Participation (ENH)	5.0
<	Production Bonus	4.0
	Other Terms	19.0
	APPENDIX D - HSE	
Арр	Pass or Fail	
₹	Health Safety Environment	
	TOTAL	100

Appendix A
 13 Marks

Company Expertise

Appendix B 50 Marks

Technical Work Program

• Appendix C 37Marks

Financial Proposal

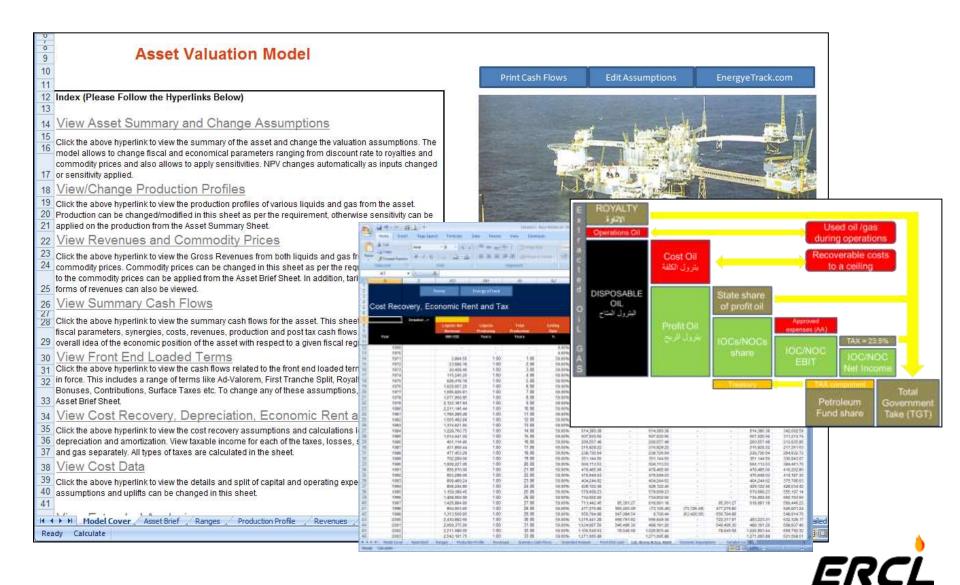
Appendix D Pass / Fail

HSE

TOTAL 100 Marks

Mozambique 5th License Round

Economic Model - Example





STP - National Content



- In order to promote Satomean business community, the government shall adopt measures to guarantee, promote and encourage investment in the Petroleum sector by citizens of STP and create conditions necessary for such purpose.
- 2. In this perspective Authorized person and their associates shall cooperate with local authorities in developing public action to promote sócio economic development of the country there by:
 - local companies shall have the right of preference regarding the award of participating interest as well as contracts for provision of goods and services.
 - authorized persons and their associates shall train and employ citizen of STP at all levels of their organizations
 - preferentially contract with local services providers and acquire material, machinery, equipment and consumable goods, produced, manufactured on quality and which are available for sale and delivery in due time at prices which are no more than 10% higher than the imported items.

Licensing Rounds – Working with Governments

Licensing Rounds assisting Governments and NOC's to deliver!

- The Timeline
- Preparation & Building the Team
- Key License Round Steps (Legal Financial Technical QHSE)
- Bid Evaluation
- Reporting & Transparency



Reporting & Transparency

INTERNAL

- MINISTRY PANEL / BOARD
- REGULATOR / NOC

EXTERNAL

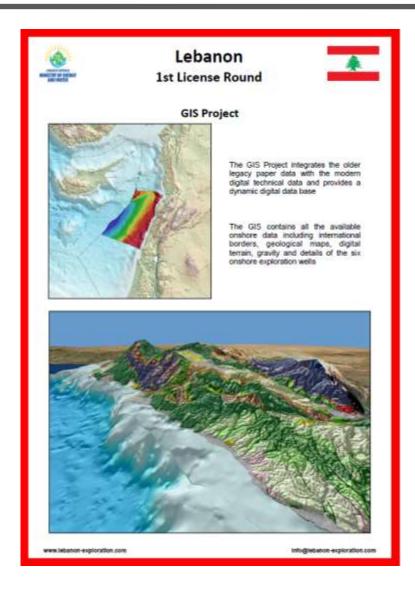
- PETRAD / NORAD
- US AID
- WORLD BANK
- ADB
- EEC

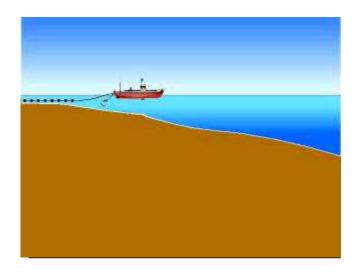


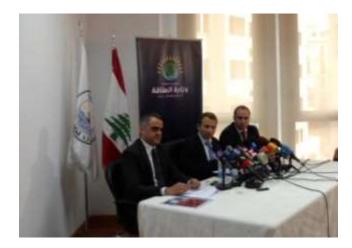
- LOCAL ADMINISTRATION
- NGO (Non Government Organisation)
- LOCAL PRESS
- INTERNATIONAL PRESS
- INDUSTRY CONSULTANTS



Reporting & Transparency









Summary – Working with Governments

- You need lots of patience and understanding
- Confidentiality and Trust
- Very rewarding

Bid Evaluation

 It's a privilege to be able to assist in the marking and bid evaluation and see first hand the tremendous creativity there is within our industry.



Thank you for your attention

Huw Edwards

Managing Director

Exploration Reservoir Consultants

www.ercl.com





License Round Management

ERCL ADVISORY (wide ranging advice & support including):

- Advice
- Base line interpretation
- Minimum work programs / bid expectation
- Government Data
- Multi Client Data
- Application Documentation
- License Round Management
- Economic Model
- Presentations
- Application Scoring
- Minister briefing documents
- Technical Support / Training



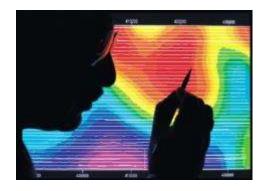
ERCL – Exploration Reservoir Consultants Ltd.

Exploration – Production – Engineering – Economics

Exploration – Production – Engineering – Economics







Independent Technical and Commercial experts from exploration to rehabilitation

