



HCS  
Oil & Gas



HCS  
Environment

HCS CONSULTANCY

You Can Count On



[www.hcsegypt.com](http://www.hcsegypt.com)





# WHY HCS ?

- 03 ← Key Facts & Figures
- 04 ← WHY HCS ?
- 05 ← Our Services
- 06-07 ← Where We added Value
- 08-09 ← New Ventures
- 10-11 ← Geological & Geophysical C.S.
- 12-13 ← Integrated Consultation Services
- 14-15 ← Engineering Consultation Services
- 16-17 ← Tailored Consulting Services
- 18 ← Training & Outsourcing

## The Company



### THE COMPANY

HCS is an international consultancy that specializes in energy and environment. With a long experience and proven track record in Middle East and Africa, we are your go-to partner for energy oil and gas exploration and production. Our team also includes experts in water resources hydrology and hydro geology and environment impact assessments projects.

## Proven Track Record



### PROVEN TRACK RECORD

At HCS, we bring together a big team of experienced experts in oil and gas industry and in hydrogeology and water resources projects, environment impact projects. our experts have a proven track record in the oil and gas industry as well as in hydrogeology, water resources and environment impact projects. We are ready to tackle any challenge and deliver the best solutions for our clients.

## Well you Connected



### WELL CONNECTED

At our geoscience consultancy, we are proud to be well connected. We have established strong affiliations with leading universities and research organizations, allowing us to provide services beyond the traditional offerings. Our broad range of competencies, combined with our commitment to excellence, ensures that our clients will always receive the highest level of engagement available. With our well connected network, we are able to provide innovative and reliable solutions that allow our clients to succeed.

## Client Interaction



### CLIENT INTERACTION

At Geoscience Consultancy, our services are geared towards providing comprehensive assessment and comprehensive solutions to our clients. We strive to provide excellent client interaction and communication, ensuring that our clients are kept informed throughout the process. Our streamlined processes are designed to make sure that our clients receive the most competent and accurate results. We are committed to providing quality services and reliable results to our clients.



# key facts & figures

Work for or Joint Work with

	HCS	HCS
       	<p><b>Our Staff &gt; 30 Years Experience In Oil &amp; Gas Industry</b></p> <p><b>Maximized HC Reserves</b> 300 MMBOE For listed Companies</p> <p><b>Reservoir Management IOR / EOR &amp; Unconventional Reservoirs</b> During + 30 years</p>	<p><b>Shared, Prepared, Analyzed &amp; Managed &gt;150 Wells</b></p> <p><b>Discovered &gt;30 Oil &amp; Gas Discoveries</b></p>

## Our Services

**Our staff More than 30 years in Oil & Gas Upstream Industry**

EXPLORATION

ENGINEERING

DEVELOPMENT

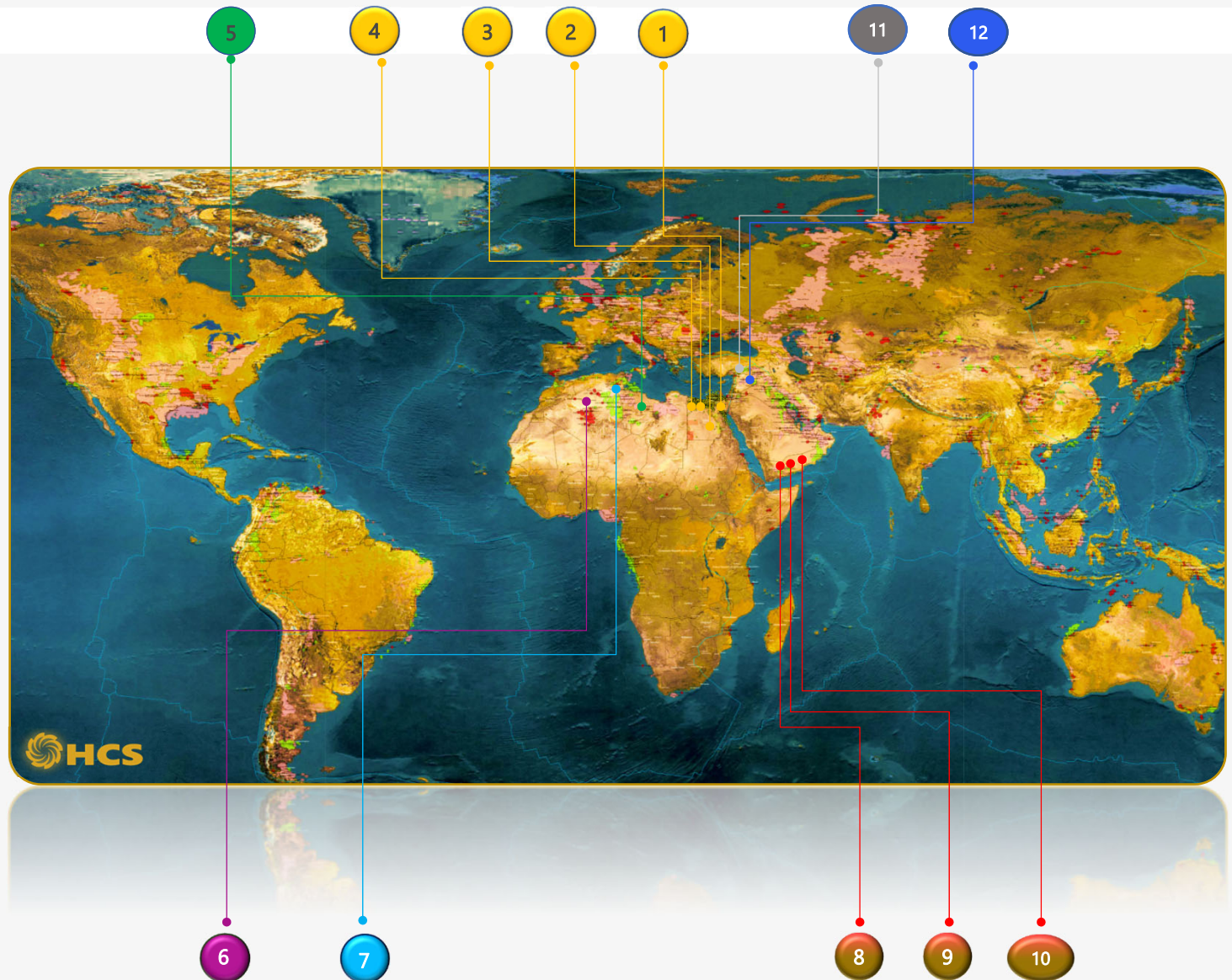
TAILORED CONSULTING S.

GEOLOGICAL & GEOPHYSICAL

OUTSOURCING

# Where We have added Value?

Oil & Gas Rich Basins Where HCS Staff Has Added Value		
<b>Egypt</b>	01	Gulf Of Suez
	02	Upper Egypt
	03	Nile Delta & Med.
	04	Western Desert
<b>Libya</b>	05	Sirte
<b>Algeria</b>	06	Illizi Ghadams
<b>Tunisia</b>	07	Pelagian
<b>Yemen</b>	08	Masila
	09	Shabwah
	10	Sabatyn
<b>Turkey</b>	11	Diyar Bakr
<b>Syria</b>	12	Tishreen, Syria



# Exploration Consulting Services

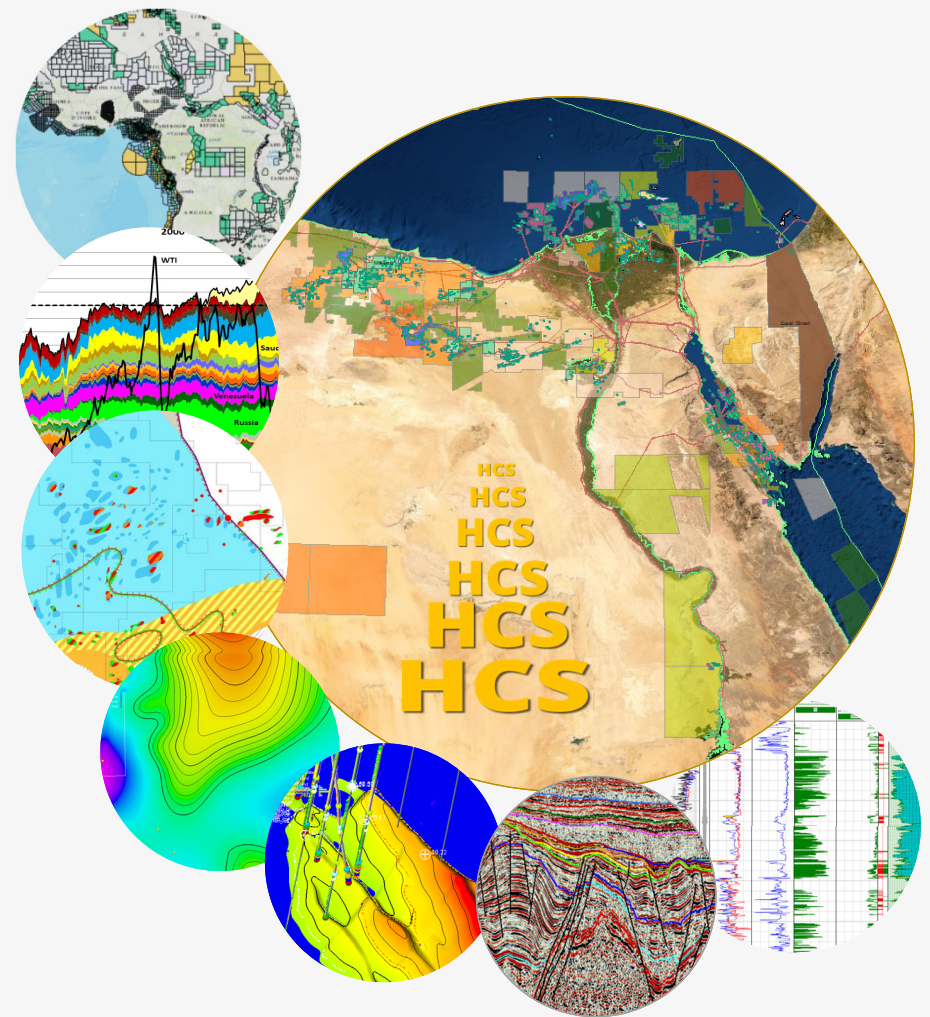


Looking to sell your oil and gas asset(s)?  
Bid Rounds & Farm-out/In Opportunities  
Seeking to farm-out your exploration project?

The HCS Team has at its disposal vastly experienced multi-disciplinary teams. The teams include petroleum geologists, structural geologists, stratigraphers, sedimentologists, geochemists, seismic interpreters, and petrophysicists. Our teams are also complemented by economists, reserve specialists, drilling experts, logistics experts and lawyers.

At HCS, we can market your oil and gas assets, perform evaluations for acquisitions, farm-in/out opportunities for oil & gas discoveries and oil and gas producers. Oil and gas companies promote their exploration, appraisal or development projects when searching for joint-venture partners or market their non-core producing assets for divestment. HCS guarantees to perform all evaluations and recommendations to your utmost satisfaction.

The HCS Team(s) can use a complete suite of geological and engineering data to perform evaluations or they can simply use well-performance histories. The final step of the evaluation is to carry out cashflows and production to generate discounted net present values. Clients regularly ask for different economic runs under various sensitivities to future sales prices or "price decks" and to operating and capital costs.



# Geological and Geophysical C.S.



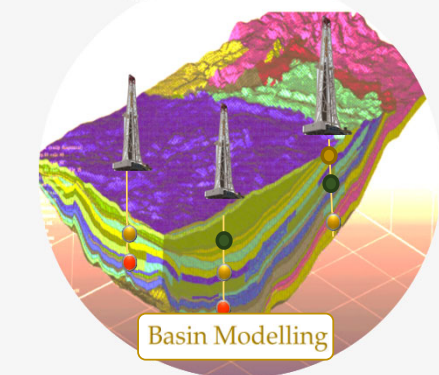
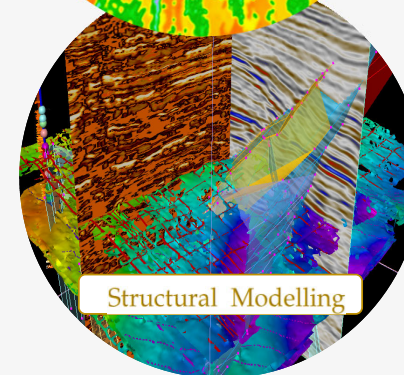
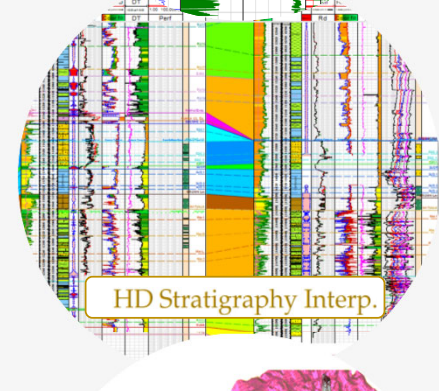
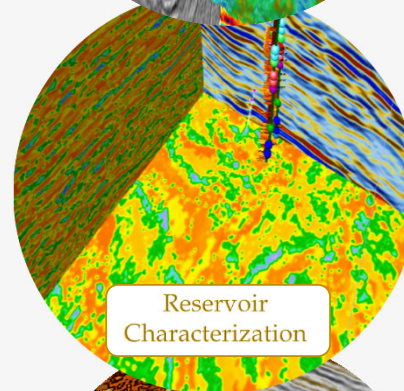
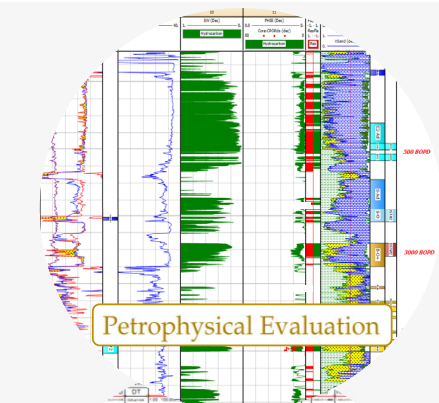
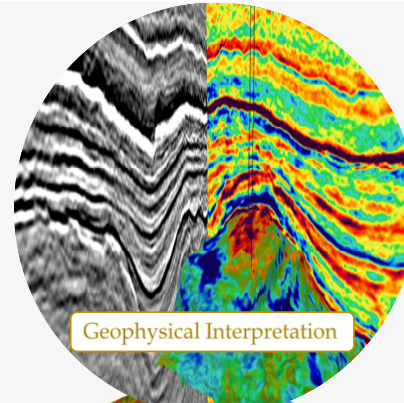
HCS offers a number of comprehensive geological and geophysical services /studies required to maximize the hydrocarbon potential of your exploration blocks and development leases and oil & gas fields as well.

These studies and services includes:

## Exploration & Development C.S. including:

- 2D-3D Seismic Interpretation
- Petrophysical Log Analysis
- Reservoir Characterization
- Prospect Generation
- Basin Modelling
- Structural Modelling
- Fault seal analysis and trap risk assessment
- Development Geology
- Reserve and Resource Assessment

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# Development Consulting Services



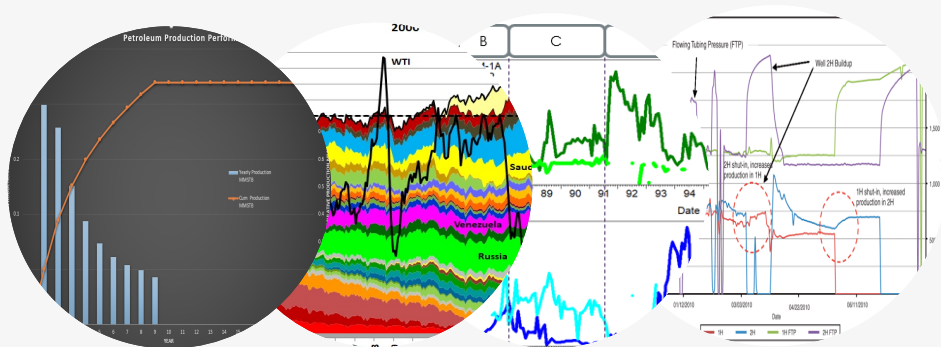
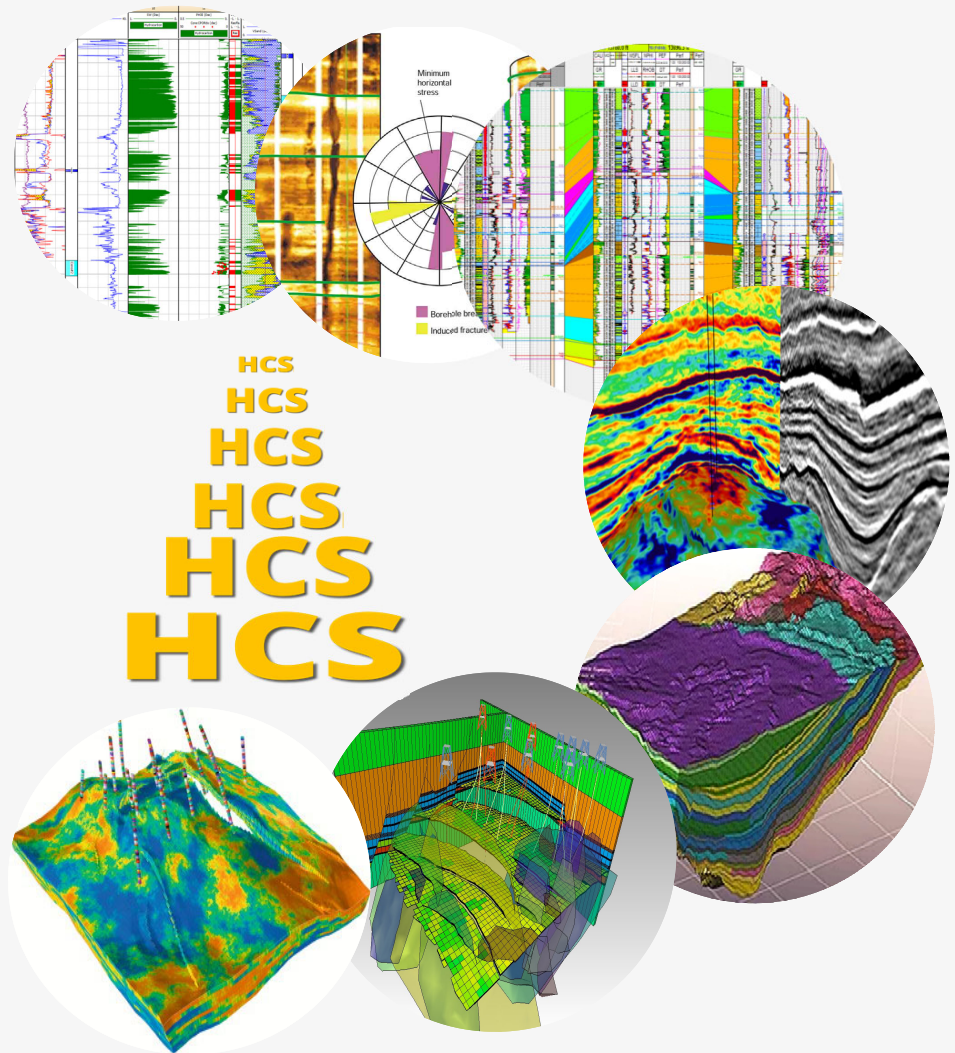
## IFDS Integrated Field Development Studies

Our forecast scenario cases, which include optimal development plans, are presented on a summarized basis with detailed tables for individual wells available in an easily accessible digital/electronic format. Those forecast scenarios may include potential recompletion candidates, infill or extension drilling — including vertical and/or horizontal wells— water injection or tertiary recovery and field facility/operating constraints.

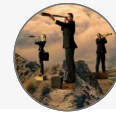
Our multidisciplinary team members prepare integrated field development studies by blending their skills in a seamless network. Disciplines range from geology to reservoir engineering to final project economics. Integrating those disciplines allows the project to proceed effectively, with each expert having data access and input into the field development study.

HCS team may comprise the following experts:

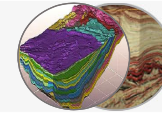
- Geophysicists
- Geologists
- Petrophysicists
- Reservoir Engineers
- Reservoir Simulation Engineers
- Economists



# Engineering Consulting Services



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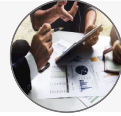
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## Reservoir Engineering

- Building of Reservoir simulation Models for History Matching & Production Forecast.
- Building Production Scenarios with Sensitivity & Uncertainty Analysis.
- Reservoir Surveillance & Management.
- Selecting the field development strategy.
- In-place, Reserve & Resource Estimate.
- Selecting the optimal number and locations for injector and producer wells.
- Computing the production profiles (oil, gas, and water).
- Enhanced and Improved Oil Recovery techniques (EOR/IOR).

## Production Engineering

- Conventional & Unconventional Completions Design.
- Production Optimization & Monitoring.
- Stimulation & Artificial Lift Planning.
- Well Test Planning & Analysis.
- Well Servicing and Work over Operations Planning & Supervision.

## Drilling Operations

- Well Engineering Based on Available Geo-mechanical Model.
- Well Design of Exploration.
- Well Design of Appraisal & Development Wells.
- Completion Design of Exploration, Appraisal & Development Wells.
- Supervision of Drilling Operations.

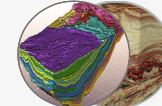
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# Tailored Consulting Services (TCS)



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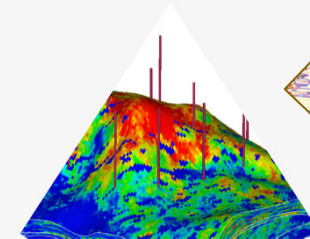
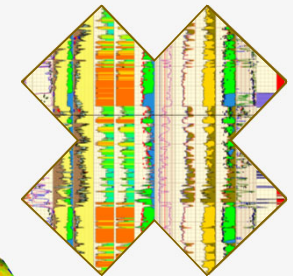
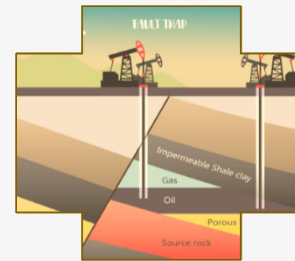


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## Exploration, Development & Engineering

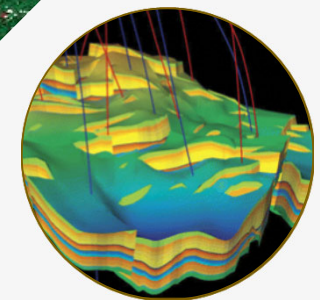
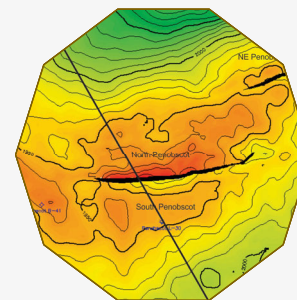
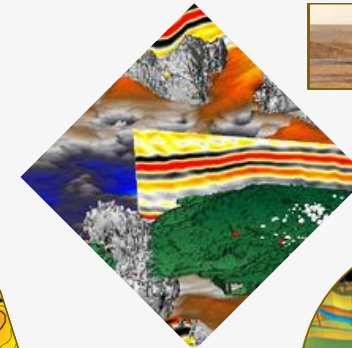
The evaluations and reporting can be tailored to our client's specific needs and budget. Services provided by InSite include:

- Independent corporate reserve and resource evaluations
- Reservoir and Development studies
- 2D – 3D Seismic Interpretation
- Geological, petrophysical and geophysical studies
- Prospect resource and risk assessments
- Unitization negotiations
- Expert witness testimony

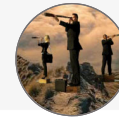


		Proposed Resource Classification			
		Petroleum production			
Place (PIP) used PIP	Commercial	Reserves			High 3P
		Low 1P	Best 2P		
		Proved	Probable	Possible	
		Contingent resources			

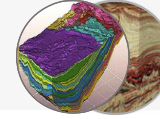
		Unrecoverable		
Total petroleum in Un discovered PIP	Subst	Prospective resources		
		1U	2U	3U
		P90	P50	P10
		Unrecoverable		



# Training & Outsourcing



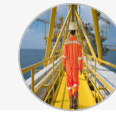
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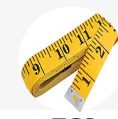
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## Training

- We Offers approved programs that deliver flexible, practical, tailored training Courses
- We designed a very comprehensive workforce development programs – focused on building competent people.
- HCS has the experts, processes, and technology to provide a comprehensive workforce development plane. We Enable companies to develop a workforce able to meet business challenges, effectiveness, achieve compliance goals and improve operations.
- We have deep industry experience and competency building expertise, HCS is Industry Trusted Workforce development advisor.

(To See more details about Training Courses ask for the T.C. PDF Manual)

## Outsourcing

- Do you Short staffed and needing immediate assistance?
- Is A lot of valuable 2D & 3D seismic data and in need of interpretation?
- We only provide staff suitable for the task our clients request.
- HCS can assist you with a wide variety of services either on a reasonable day rate or contract basis. Take advantage of our knowledge, expertise and integrity.

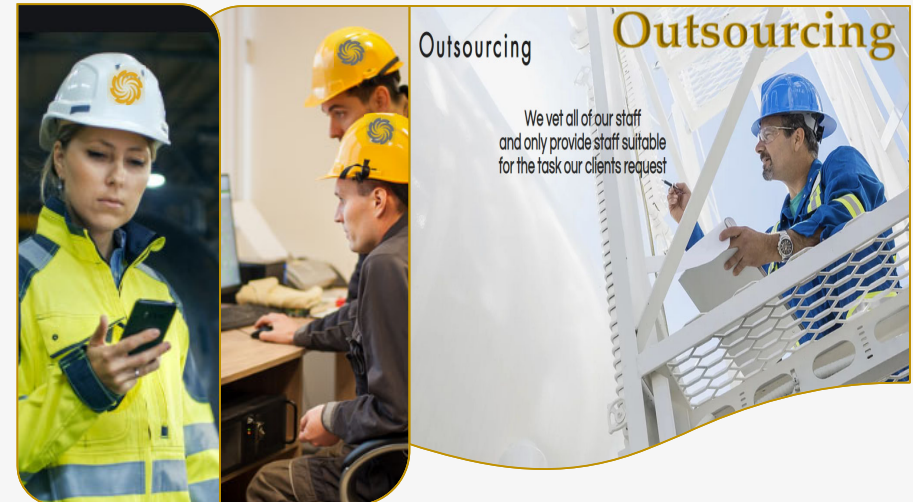
We can offer the following skills on short notice:

- |                               |  |
|-------------------------------|--|
| ■ Well-sitting geologists     |  |
| ■ Petrophysical Specialists   | Seismic Interpreters                           |
| ■ Prospect generators         | Biostratigraphers                              |
| ■ Sedimentologists            | Structural Geologists                          |
| ■ GIS design and optimisation | Drilling, Reservoir and Production Engineering |
| ■ Logistics                   | Oil & Gas legal and contracts specialists      |

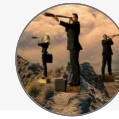
## Training



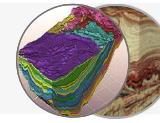
## Outsourcing



# Environment Consulting Services



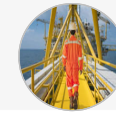
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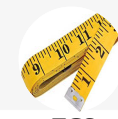
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“In an increasingly populated and resource constrained world, understanding the relationships between people and the built and natural environments is more important than ever”

## PROTECTING NATURAL AND CULTURAL ASSETS

Applying an information-led approach to environment and heritage consulting, we help clients to manage the natural environments.

## HYDROLOGY & HYDROGEOLOGY

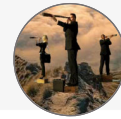
As a society, everything that we do revolves around water and the water environment. Our experts have deep knowledge and understanding of the potential interrelationships within the water environment – especially in relation to ecology, land quality and drainage

## ENVIRONMENTAL IMPACT ASSESSMENT

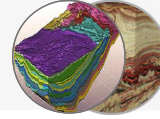
Environmental Impact Assessment is integral to the planning and development process, helping to shape informed decisions for the protection of our environment. Our team, leading practitioners, help our clients to navigate complex challenges; delivering success and shared value for all.



# Environment Consulting Services



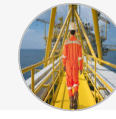
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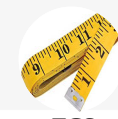
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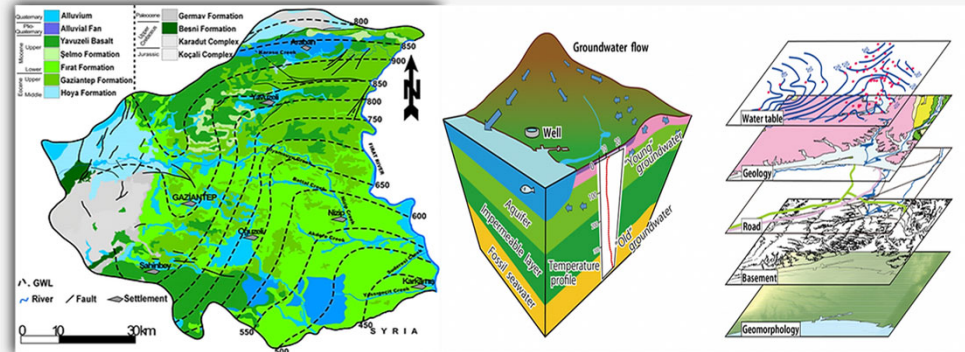
## WATER RESOURCES

Water is essential for life and is one of the most important natural resources. Our hydrogeology experts specialize in the study of water sources, their availability and sustainability. We provide professional services in water resource management, including hydrogeology maps and assessments. Our team of experienced hydrogeologists have the expertise to help you identify, assess and manage your water resources most effectively. Our services help you to make informed decisions regarding water resources and ensure that you remain compliant with relevant regulations.



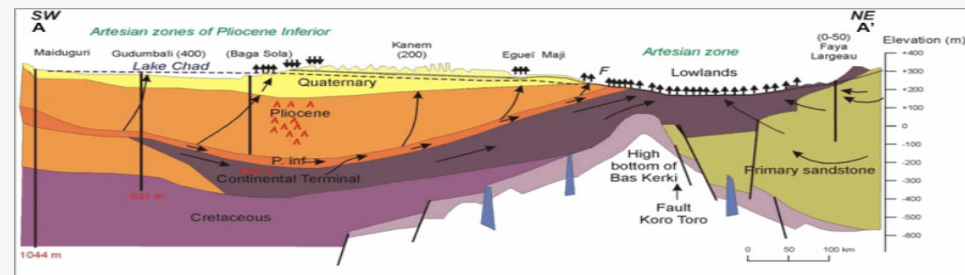
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## HCS Consultancy Services

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