



الرياض للجيوتقنيّة والأساسات

RIYADH GEOTECHNIQUE & FOUNDATIONS

*Excellence In Geosciences*

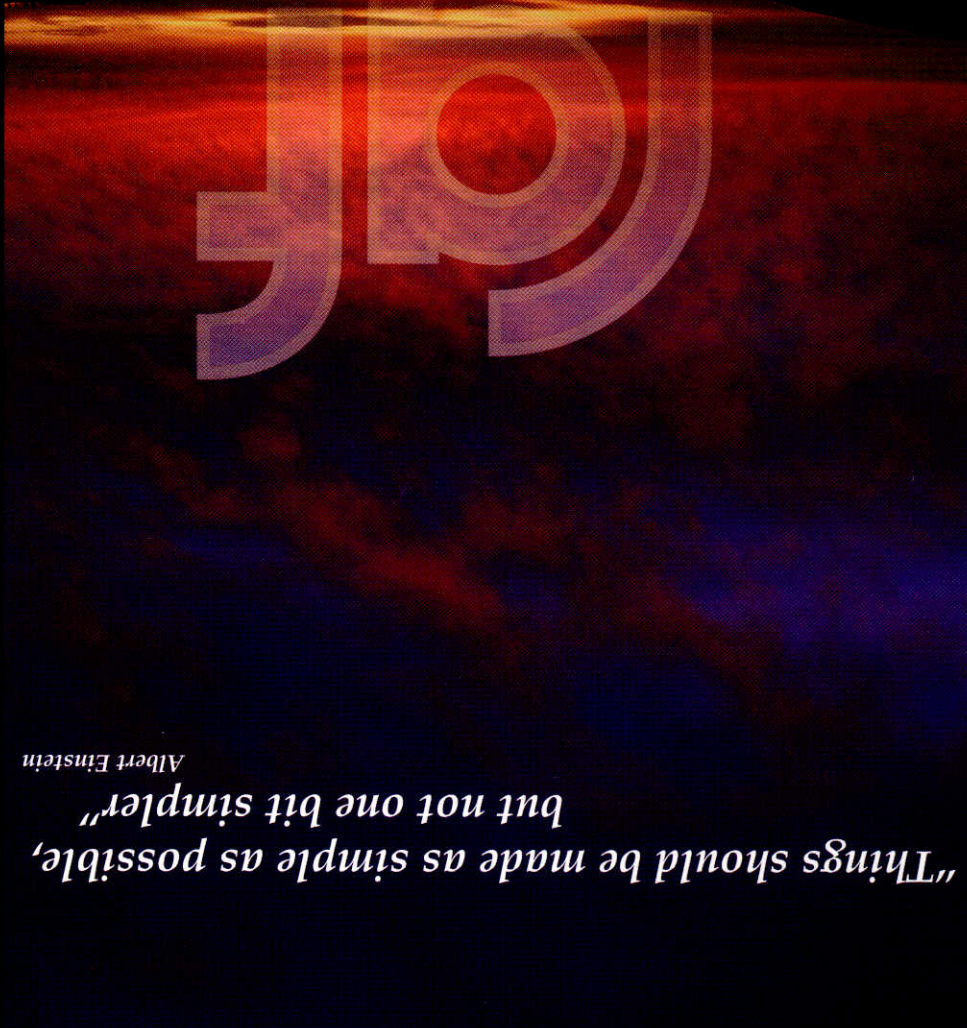
Non-Destructive Testing  
Corrosion &

•  
Materials & Chemical Testing

•  
Structural Repairs

•  
Ground Engineering

•  
Site Investigation



*"Things should be made as simple as possible,  
but not one bit simpler"*  
Albert Einstein



Riyadh Geotechnique and Foundations (RGF) is a specialist engineering and contracting company established under the laws of the Kingdom of Saudi Arabia. RGF possesses quality expertise reflected in its management and staff of over 300 specialized engineers and technicians who have worked for over three decades on developmental projects in the Kingdom of Saudi Arabia and across the Middle East.

Armed with such expertise, RGF grew as a specialist contractor in deep foundations and drilling and testing services. These services presently include such specialized work as driven and bored piles; ground improvement including stone columns, anchoring, shoring and dewatering of deep excavations; subsurface exploration including drilling and testing; materials testing including Non-Destructive Testing (NDT); and Cathodic Protection.

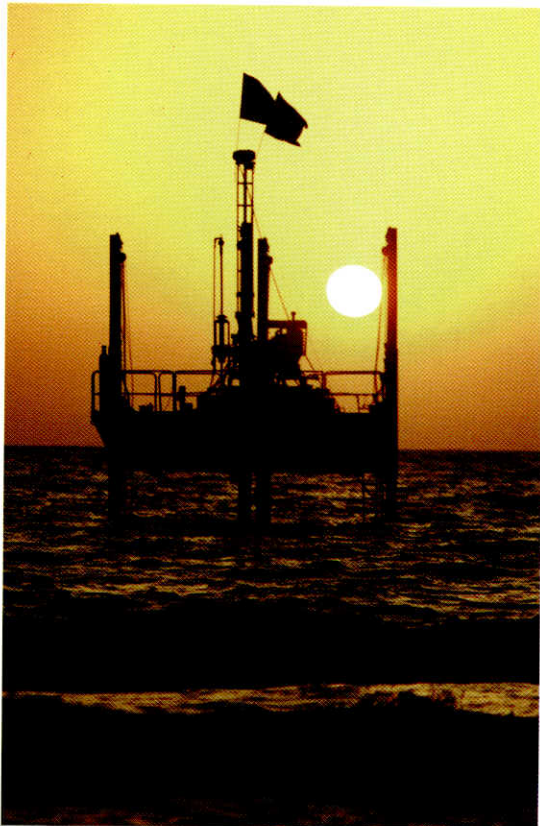
RGF's main thrust is the attainment of our client's complete satisfaction. Our approach to every project we undertake is characterized by examining opportunities for introducing appropriate new ideas and technologies that would expedite the work and deliver the final product in the most cost effective and high quality manner.

In the following sections, we present a spectrum of the services we provide in the fields of ground engineering, site investigation, testing, structural repair and protection.





## Site Investigation



### DRILLING

RGF has achieved an enviable reputation as the leading sub-surface drilling and testing company. RGF operates more than 15 fully equipped rigs, wagon drills for rock probing and a fleet of all-terrain vehicles and swamp buggies for mobility in difficult access sites.

Our services in the drilling field include:

- On-shore drilling for site investigation for roads and bridges, housing structures, multi-storey buildings and towers and petrochemical complexes and refineries
- Off-shore drilling for site investigation for oil platforms and mooring systems
- Geological and mining exploration

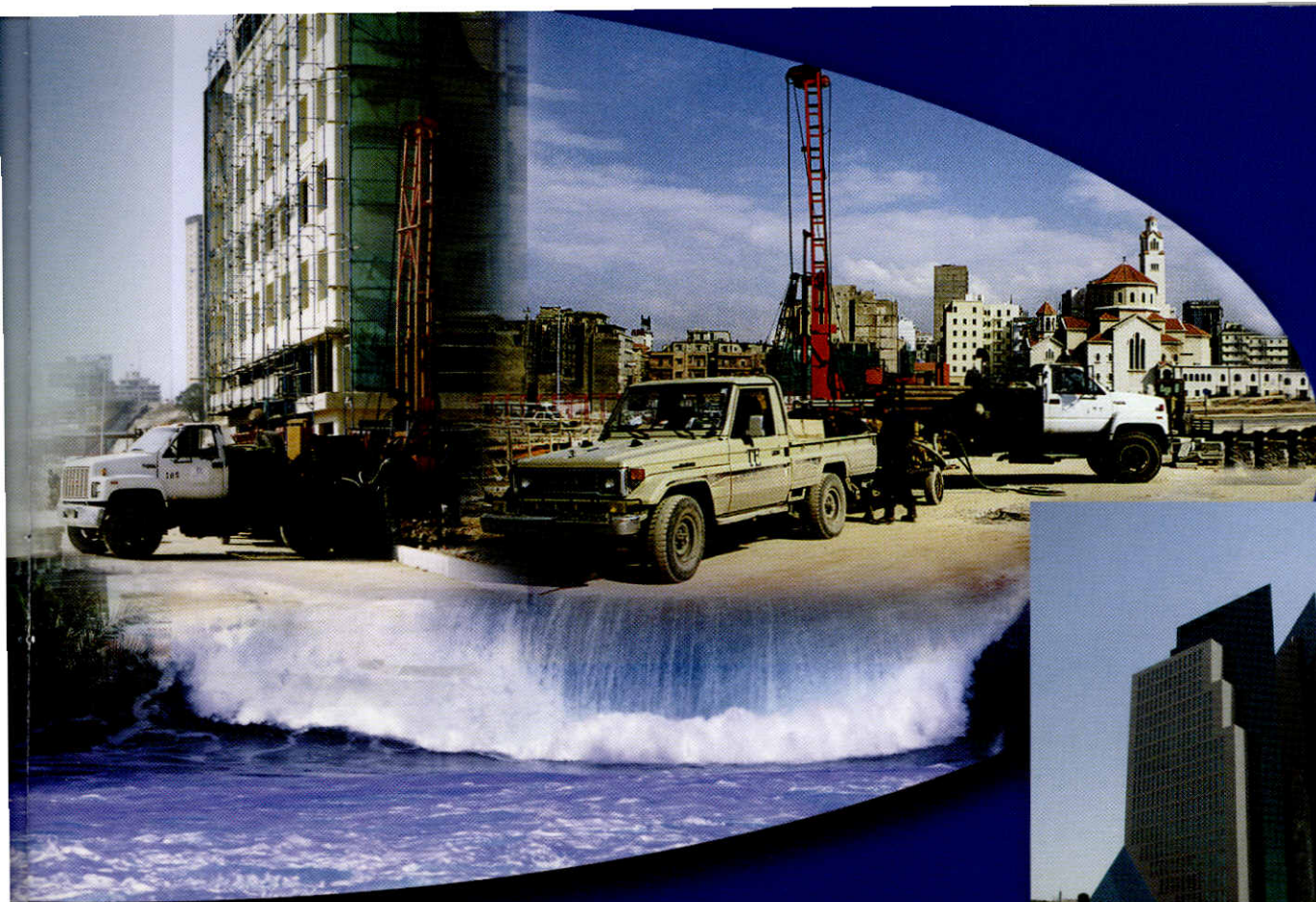
### FIELD TESTING

RGF possesses a substantial array of in-situ and field testing equipment for :

- SPT Testing and Sampling
- Dutch Cone Testing
- Pressuremeter Testing
- Plate Load Testing
- Field CBR Testing
- Environmental Investigation
- Geophysical Exploration
- Pavement Evaluation using FWD Equipment

### INSTRUMENTATION

RGF has developed sophisticated expertise in instrumentation techniques for the purpose of monitoring ground and structural movements.



Kingdom Tower • Saudi ARAMCO Offshore  
 Facilities • Al Shoaibah Power & Desalination Plant  
 • King Fahd International Airport • Television  
 Tower, Riyadh • Ghazlan Power Plant • Khazzan  
 Street Towers • SABIC Headquarters, Riyadh • Arabian Oil Company  
 Offshore Structures, Arabian Gulf • NCCI Building, Riyadh •  
 Groundwater Studies, Jubail Industrial City • Qatar-Bahrain Causeway •  
 Madinah-Yanbu Expressway • King Saud University Campus, Riyadh  
 • Umm Al Qura University Complex, Qassim • GOSP's for Saudi Aramco •  
 Al Shaybah Access Road, Saudi ARAMCO • 380 kV Overhead Transmission  
 Lines • Water Supply and Feeder Line Projects • Jubail Desalination Plant •  
 Shoaibah Power and Desalination  
 Plants • MOMRA Headquarters,  
 Riyadh • King Abdulaziz University  
 Campus, Jeddah • Piers at Jeddah &  
 Rabigh Refineries. Royal Palaces in  
 Riyadh, Jeddah, Dammam, Mecca and  
 Medina • Diplomatic Quarters,  
 Riyadh • Embassies and Residences  
 in The Diplomatic Quarters • Second  
 Industrial City, Jubail • King Abdul  
 Aziz International Airport, Jeddah.

*"A knowledge of precedents is an essential prerequisite*



# Ground Engineering



## PILING

RGF's piling expertise includes the design and installation of most types of piles ranging from the mini piles to large diameter driven and bored piles.

### •MINI PILES

RGF executed underpinning projects virtually all over the Kingdom, thus gaining an unparalleled experience in this area. Our fleet of rigs include: small self-propelled units, capable of operating in tight places, and powerful enough to drill piles up to 30cm in diameter and in excess of 25m in depth.

### •DRIVEN CAST IN-SITU PILES

For driving Vibrex piles, RGF introduced state-of-the-art vibrohammers to the Saudi Arabian construction industry in 1994. Since then, we have successfully completed several projects using our IHC S70 and S90 hydrohammers and our Fundex rigs.

### •H-PILES, TUBULAR PILES, AND SHEET PILES

H-Piles and Tubular Piles can be installed with our state-of-the-art hydrohammers. Our vibrohammers, such as the ICE-815 and the ABI versatile machines have been used extensively to install thousands of meters of sheet piles on projects in the Eastern and Western Provinces of Saudi Arabia.

### •BORED LARGE DIAMETER PILES

RGF has established itself as a strong and efficient bored piling contractor with acquisition of powerful and versatile rigs supported by an impressive pool of drilling tools and accessories, capable of addressing any type of soil conditions.

