



UAE Capabilities Overview

WHO ARE WE?

Premier Corex is an independent company providing laboratory analysis, data generation & evaluation services to the majority of leading energy companies worldwide. Our 45+ years of experience and knowledge in the Middle East enables us to understand the unique challenges associated with subsurface operations across the region, providing expert analysis and local solutions at every stage of the lifecycle.

WHAT DO WE DO?

- ▣ We **integrate reservoir rock and fluid measurements** across multiple disciplines to **deliver completions and reservoir solutions** in both **unconventional and conventional plays**.
- ▣ Our goal is to assist our clients **increase their reserves, recover more hydrocarbons, and generate greater financial returns** by enabling more **efficient and more effective decisions**.

OUR SOLUTIONS



- Core Analysis
- Geochemistry
- Reservoir Geology
- Rock Mechanics
- Fluids Capabilities
- Formation Damage
- Enhanced Oil Recovery (EOR)
- PVT & Organic Chemistry
- Carbon Capture (CCUS)

WHERE ARE WE?

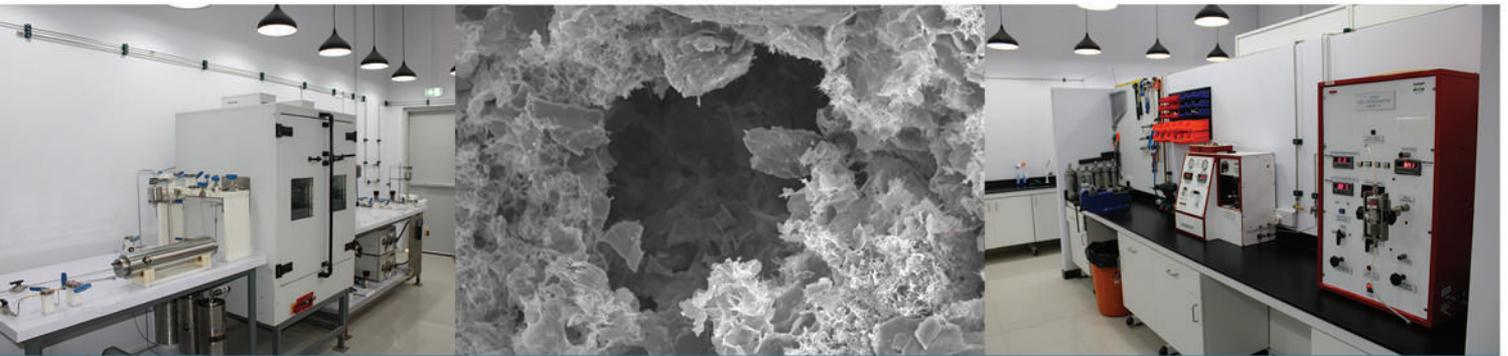
Already boasting the **"Largest Formation Damage facility of its type in the world in terms of people, equipment, experience"** based in Aberdeen, UK, we been delivering projects in the Middle East through our world leading international laboratories for over 45 years.

Our headquarters and primary laboratory facility is located in Houston, Texas with additional USA laboratories located in Midland, Oklahoma City and Denver.

Internationally, our centers of excellence are based in Aberdeen - United Kingdom, Cairo - Egypt, Abu Dhabi - UAE, East Ahmadi - Kuwait, with satellite laboratories in India and Iraq to service large, long-term contracts.



Productivity Enhancement & Formation Damage Facility, Abu Dhabi - UAE



▶ UNDOUBTEDLY LEADING THE INDUSTRY IN FORMATION DAMAGE. ▶ - Shell Research



Located in Mussafah M33, our custom built, ISO 17025 certified facility provides high-tech laboratory solutions associated with well operations for both conventional and unconventional reservoirs.



Recreating the Reservoir in the Laboratory

We have seen increased demand across the Middle East in recent years to address reservoir uncertainty and help improve hydrocarbon recovery, so it made sense for us to have a set up that could be accessed locally within the region. Our high-tech Formation Damage analysis facility in Abu Dhabi, UAE allows to support operators and vendors across the region with drilling, completion and production chemistry solutions.



Improving Hydrocarbon Recovery

Our Formation Damage Group carry out coreflood experiments to simulate planned or previous well operations, understand what has happened or may happen using innovative interpretative techniques, and provide operators information that can be used to maximize hydrocarbon recovery.

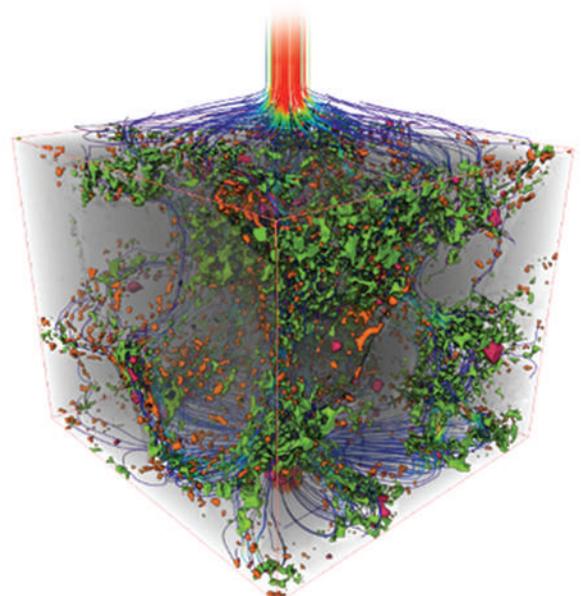


Award winning, innovative and patented technology

We are proud to bring our niche service offerings to the Middle East with our innovative, patented geological interpretation and quantification workflow. By using digital rock (3D Alteration Modelling) technology on core samples to evaluate operational fluid sequence applications, our novel approach creates 3D models after near wellbore simulations and allows visualisation and quantification of damaging mechanisms. This data can be used to understand the key opportunities for improved hydrocarbon recovery and help with identification of remedial treatments to enhance productivity.

UAE Solutions

- Core Characterization
- Drilling Fluid, Clean Up and Completion Evaluation
- Productivity Enhancement, Stimulation & Workover Evaluation including acid
- Sanding Studies (SAS, Expandable & Gravel Pack Screens)
- Injection and Disposal Water Quality Evaluation
- Compatibility Studies
- Scaling and Scale Inhibition Evaluation
- Chemical Analysis
- Gas Storage and CCS
- Consultancy & Well Review
- Mercury Injection Capillary Pressure (MICP)
- Advanced Geological Evaluation



Rock & Fluids Analysis Facility East Ahmadi - Kuwait



Located in East Ahmadi, Kuwait, our high-tech laboratory is set up to deliver Reservoir Rock & Fluid Analysis services across the full range of hydrocarbon fluid types to support KOC and clients within the GCC.



Core Handling & Processing Solutions

Our custom-built core handling and core processing laboratories in Kuwait covering 5000sq feet (with inhouse CT scanning equipment) has the capacity to handle 600 sq feet of core at any one time. We have expertise in all aspects of wellsite core handling, sampling, stabilization and preservation for Core & Cuttings, conventional and unconventional (we are uniquely capable in low permeability rock measurements) as well as unconsolidated formations.



High-tech PVT & Fluid Analysis Capabilities

Our state of the art, mercury-free fluid analysis laboratory in Kuwait can provide PVT & Fluid analysis studies and integrated solutions across the full range of hydrocarbon fluid types up to pressures of 15,000 psi and temperatures up to and above 200 degC.



Utilizing Technical Experts & Industry Leaders

Our impartial, independent advice is used across the globe to make recommendations based on our 45+ years of regional industry experience. We work with you to build strong client relationships and provide collaborative and effective clients driven solutions.

Kuwait Solutions

Wellsite Services

- Onsite Core Gamma Logging
- High Resolution Core Photography
- Core Handling, Sampling Preservation & Stabilization
- Wellsite Plug (Hotshot Analysis) and Full Diameter Sampling
- Well to Well Tracer Studies

Conventional Core Analysis

- Core Gamma (both total and spectral)
- Inhouse CT Scanning & Photography
- Sampling Plugging, Cleaning & Drying
- Grain Density & Porosity (Boyle's Law)
- Permeability (Steady-State, Unsteady state & Pulse Decay)
- Klinkenberg Permeability
- Slabbing, Photography and Resination

PVT & Fluid Analysis

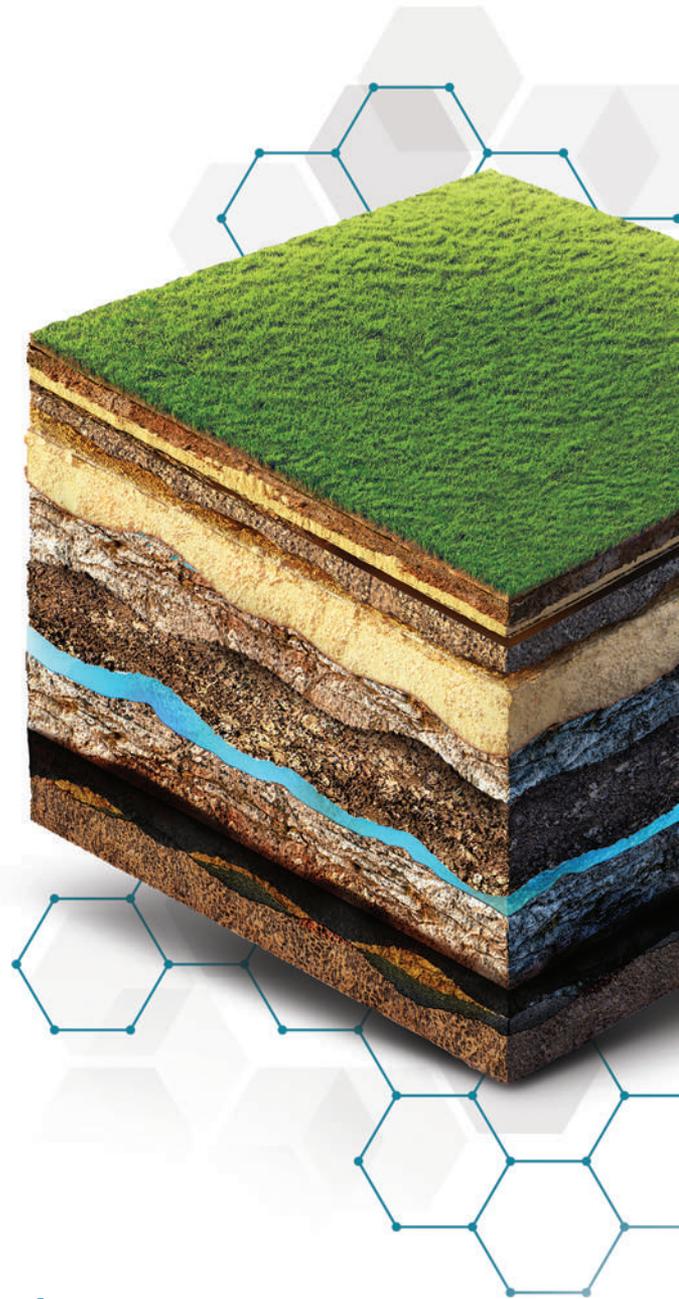
- Fluid Conditioning & Compositional Analysis
- Standard PVT Testing
 - Constant Composition Expansion (CCE)
 - Differential Liberation (DL)
 - Constant Volume Depletion (CVD)
 - Separator Test (ST)
- Viscosity & Density
- Oil-field water chemistry



ILLUMINATING THE SUBSURFACE

Why us?

- ✦ **We understand the regional geological complexities across the Middle East** - in this challenging arena, our integrated service capabilities help eliminate uncertainties and recommend solutions at every stage of the well lifecycle.
- ✦ **We are unique to the region** - offering world leading testing capabilities for Formation Damage Assessment in terms of coreflooding units, innovative technology and diagnostic tools.
- ✦ **We are independent experts** - our impartial advice is used globally to assist in finding potential or existing problems, evaluate operational fluids and hardware, and improve hydrocarbon recovery.
- ✦ **We cover all types of rock and fluid** - core and cuttings, conventional and unconventional [we are uniquely capable in low-permeability rock measurements] - as well as fluids and chemistry, both organic and inorganic.
- ✦ **Our multi-disciplinary expertise** - in rock property measurements, fracturing fluids, and fracture simulation give us an unparalleled ability to advise on all aspects of well stimulation.
- ✦ **We utilize our technical experts and industry leaders** across the globe to make recommendations based on our 45+ years of regional industry experience.
- ✦ **We work with you and your teams** - to build strong client relationships, we believe in making recommendations and working on collaborative and effective client driven solutions.
- ✦ **We innovate** - we are committed to researching and developing solutions for conventional and unconventional reservoirs that will help address both specific client and regional challenges and complexities.
- ✦ **We are award winning** - having received both innovation and technology awards as well as focused recognition awards from major global clients.



Our Awards

-  Commitment to Innovative Use of Research & Development (AGCC) 2016
-  IP100 League Table Top 20 for 6 consecutive years
-  Focused Recognition Awards received from Major Global Clients

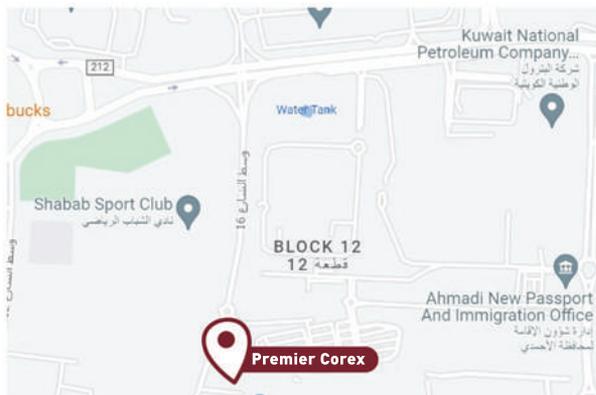
Our Clients



“We have been delivering projects in the Middle East through our world leading international laboratories for nearly 45 years and have already built an excellent reputation that has become part of the very fabric of the region. In recent years we have seen an increased demand across the Middle East to address reservoir uncertainty and improve hydrocarbon recovery so it made sense for us to have a set up that can be accessed locally. With our in-country laboratories in UAE and Kuwait now fully operational, we are committed to the region and focus on the development of our facilities into centers of excellence that will allow to effectively partner with local companies, work together to provide collaborative and effective solutions and ultimately enhance the recovery of hydrocarbon in the region.”

- Ryan McLaughlin - Regional Manager Middle East & Formation Damage Expert

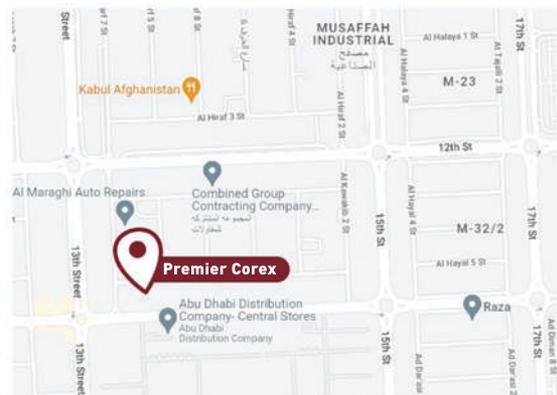
Get in touch to arrange a lab tour!



Abdulkareem Al-Shoail

Country Manager Kuwait

- Tel: +965 99 688 224
- Email: aalshoail@corex.co.uk



Ryan McLaughlin

Regional Manager Middle East
& Formation Damage Expert

- Tel: +971 50 641 8779
- Email: rmclaughlin@corex.co.uk

For more information visit: www.PremierCorex.com