

# Exploration and Production Services



Valued Quality. Delivered.



Intertek Exploration and Production provides pioneering analytical and scientific services and consultancy along the entire oil and gas value chain - from reservoir to refinery.

Our unrivalled blend of solutions range from reservoir services and production support to asset integrity management and the fiscal measurement of hydrocarbons.

In today's global oil and gas industry, the need for high-quality analytical testing services and expert knowledge is growing.

For over three decades, we have worked alongside oil and gas organisations globally to deliver industry-leading services and support in one complete proposition.

The cornerstone of our policy is to save you time and resources, promote the longevity of your assets, minimise environmental impact and optimise production at each stage of the project lifecycle.

## Benefits

- A complete solutions provider offering services across the entire supply chain.
- Services available globally, enhanced by local expertise.
- Experienced and knowledgeable teams of professionals working to protect your business.



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## Upstream Services

Oil and gas upstream services are imperative, not only at the exploration and appraisal phases of conventional and unconventional reservoirs, but throughout all production operations.

At Intertek, we provide independent integrated laboratory testing and solutions for reservoir and production optimisation.

The upstream services we offer extend from concept and design to testing and solutions, in the areas of enhanced oil and gas recovery, PVT and reservoir fluid phase behaviour, special core analysis, petroleum geology and geochemistry, reservoir formation evaluation, flow assurance

### Upstream Services Include...

- Enhanced oil recovery
- Reservoir characterisation
- Special core analysis
- PVT and reservoir fluid phase behaviour
- Flow assurance

and production chemistry, drilling and completion fluids evaluation and field and wellsite services.

Laboratory data provided by upstream services are used by oil and gas companies to characterise reservoir fluids, determine storage capacity and the ability of fluids to flow through porous media and analyse multiphase flow of produced fluids in pipelines.

These upstream services are designed to maximise oil and gas recovery and minimise risks during production operations.



## Production and Integrity Assurance

The oil and gas industry is facing significant challenges in maximising production through the control of flow assurance issues and reducing the risk of failure through effective corrosion management.

Both new and mature assets are affected by these challenges.

Increasingly harsh operating environments demand thorough selection and testing of chemical treatments and materials, along with rigorous specification and implementation of corrosion control measures.

### P&IA Services Include...

- Corrosion and materials consultancy and testing
- Oilfield microbiology
- Production chemistry
- Wireline equipment

Additionally, advanced recovery techniques mean that many field facilities are operating beyond their projected lifecycles, causing a heightened risk of materials failure.

Our Production and Integrity Assurance team addresses a wide spectrum of industry challenges, from optimising production to facilitating asset life extension.

We provide unrivalled expertise and capabilities in the areas of production chemistry, oilfield microbiology, materials consultancy and testing, failure investigation and corrosion management.

## Intertek Exploration and Production Services

Our Exploration and Production business offers services across the oil and gas supply chain - from reservoir to refinery. With laboratories and offices worldwide, our

global reach means we can offer solutions where you need them most, while our regional presence allows us to bring you local guidance, reduce turnaround times and ultimately add value for your business.



### Our Global Exploration and Production Team

At Intertek Exploration and Production, our team is made up of more than 600 individuals with a wide range of specialisms, including:

- Routine and special core analysis
- Production chemistry
- Oilfield microbiology
- Materials engineering
- Corrosion mitigation
- Geochemistry
- Hydrocarbon characterisation
- Equipment calibration

## Production Support

Post-exploration Production Support constitutes an essential part of the oil and gas extraction process.

Following the results of an initial analysis, oil and gas reserves can demand vastly different treatments and procedures.

Further technical challenges are presented by potential reservoir contamination, trace metals detection and the many problems that can halt operations and cause output decline.

The high-end services required to address these issues demand specific expertise and are required throughout appraisal, development, production and transportation. At Intertek, we provide

a range of Production Support services and consultancy options to meet these needs.

### Production Support Services Include...

- Water analysis
- Hydrocarbon characterisation
- Crude oil assay
- Laboratory design and equipment supply

These include hydrocarbon characterisation, pipeline allocation, crude oil assay, oil condition monitoring and deposits analysis.

A full suite of water chemistry solutions is also available, incorporating analyses such as scale identification and optimisation of production chemicals.

In addition, our Production Support experts can provide comprehensive consultancy services for your business.

## Metering and Calibration

Reliable metering and calibration services are vital during oil and gas extraction and movement in order to guarantee precision, reliability and reduce costly errors.

Equipment used by businesses to check their own metering of fluids must be independently calibrated by a reliable and reputable partner.

Our metering and calibration services include flow measurement solutions, training, calibration of a wide range of instrumentation and metering consultancy.

The comprehensive site services we provide include prover and meter calibration, as well as test and process equipment calibration.

Our cutting-edge laboratories enable us to provide metrology solutions for equipment measuring crude oil, petroleum, refined products, natural gas, chemicals and other liquids and gases.

Possessing unrivalled depths of knowledge and skill, our technicians perform site-specific evaluations across diverse locations, from production plants and offshore platforms to refineries and chemical plants.

### Metering and Calibration includes...

- Metering consultancy
- Calibration of a wide range of equipment
- Flow measurement services
- Flow measurement training



### Exploration and Production Locations

Our Exploration and Production business serves the global marketplace with offices, laboratories and centres of excellence based in and around strategic oil and gas hubs. These include:

- Aberdeen, UK
- Abu Dhabi, UAE
- Baku, Azerbaijan
- Cape Town, South Africa
- Dubai, UAE
- Durban, South Africa
- Fujairah, UAE
- Houston, USA
- Jakarta, Indonesia
- Johannesburg, South Africa
- Kuala Lumpur, Malaysia
- Manchester, UK
- Oxford, UK
- Perth, Australia
- Takoradi, Ghana
- Tananger, Norway
- Tripoli, Libya



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