

The Intertek logo is displayed in white text within a white rounded rectangular box. The background of the entire page is a blue-tinted photograph of an industrial facility, likely a refinery or chemical plant, featuring large pipes and structural beams.

**Intertek**

Solutions for the  
global energy challenge

---

Energy Services

## The global energy challenge

The global energy industry is facing a series of complex and demanding challenges. These include the need to find reliable new deposits of fossil fuels to offset field declines and generate new growth, as well as the need to address public expectations for cleaner refined products while complying with regulatory, safety and environmental requirements. At the same time suppliers are looking for ways to offset declining oil and gas reserves with sustainable energy sources, meet demanding operational efficiency targets and prioritise personnel and process safety.

We can help you meet these challenges by developing solutions that help you understand and reduce the financial, operational and environmental risks involved in your work. As a result you can take advantage of opportunities to improve quality, yield and profitability. Our clients range from energy majors to regional and local operators such as refiners, exploration and production companies, traders and individual service companies. We offer round the clock independent inspection, safety testing and technical consultancy services at every critical stage of the energy supply chain.

### Contents

- 01 Oil, Coal & Gas
- 02 Exploration & Production
- 06 Refining Support
- 07 Distribution & Retailers
- 08 Liquefied Natural Gas
- 08 Coal, Petroleum Coke & Bitumen
- 09 Power Generation
- 10 Alternative Fuels
- 12 Renewable Energy
- 14 Quality Management Systems
- 15 Hazardous Locations
- 16 Services & Sector Index
- 17 Intertek – the mark of quality

## Oil, Coal & Gas

The fossil fuel industry continues to be subject to dramatic changes. Over the last decade there have been huge increases in oil and gas demand to meet shifting patterns of the market, coupled with changes to the energy mix that mean natural gas has become one of the primary sources of fuel for power generation. In addition, forecasting hydrocarbon demand and planning for the future in the face of restrictive political environments, government legislation, growing environmental concerns and fluctuating prices swings can be extremely challenging.

Our understanding of the energy exploration, production, refining, distribution and retail sectors helps you meet the challenges of a rapidly evolving fossil fuel market. Intertek works with you to provide solutions tailored to fit your unique requirements. Partnering with Intertek allows you to improve your performance and operational effectiveness, helping you prepare today for the challenges of tomorrow.



## Exploration & Production

Whether you want to exploit existing fields or identify new supply prospects, the need to extract maximum value from your reservoir demands high levels of knowledge, experience and determination. The assessment of production models and yield characteristics in crude oil and natural gas fields is complex and represents a risk in the current, volatile market. In addition, organisations face increasing technological and commercial challenges to keep wells flowing and refineries producing to optimal levels.

Intertek recognise that minimising operational shutdowns and mitigating risk is an important priority. Our services are designed to help you get the maximum value and yield from your fields and prospects. The need to gather structural data to help reduce shutdowns without causing disruption only adds to this complexity. Our services fall into three broad categories: engineering and technical; inspection, procurement and QA; and analytical support.

### Maximising value

Intertek's services are designed to help you get the maximum value and yield from your fields and prospects.



## Engineering and Technical Services

### 3D Laser Scanning

Intertek Hi-Cad offers a unique CAD integration service that delivers high-resolution 360-degree images for 3D modeling of structures. Our digital capture techniques gather the maximum amount of field information in the minimum time.

### Dimensional Control

Our Hi-Cad's Dimensional Control Management can be applied to a variety of projects such as status surveys of current facilities, fabrication surveys for steelwork and pipe work, alignment surveys, specialist equipment reviews (involving the survey of drill equipment and production lines) and clash surveys for the replacement of components or installation of new equipment.

### Asset Integrity Management (AIM)

Intertek's AIM solution ensures that critical elements within your engineering systems such as offshore structures, ships, pipelines and process systems remain fit-for-purpose throughout their lifecycle. By scientifically measuring the safe residual life of your components, AIM enables you to optimally plan your capital spending. With more than 30 years' experience in this field, we understand the behavior and performance of materials and where they can fail.

### Forensic Investigation and Failure Analysis

The failure of machinery and structures often results in property damage, business interruption, pollution and personal injuries. If the worst happens, Intertek's forensic engineering services can collect and analyse data to help determine the root cause of a failure and how to prevent it happening again.

### Materials and Corrosion Testing

Increasing the longevity of assets by preventing asset degradation and offering corrosion protection is a key issue. Intertek CAPCIS can conduct tests in all oil and gas-related environments, determining the behavior of materials in the most aggressive of operating

environments. Our laboratories are equipped with the necessary instrumentation to handle virtually any production scenario.

### Risk-Based Inspection

Any unplanned shutdown of an oil plant due to component failure is unwelcome and expensive. Intertek works with clients to implement Risk-Based Inspection (RBI), an approach that analyses the likelihood of failure of equipment such as industrial pipe work, minimising downtime and ensuring equipment longevity.

### Life Cycle Management and Condition Assessment

Intertek helps you understand the current health of your assets with the aim of increasing the life span of components. Our assessment incorporates historical failure rates and reports on the current condition of the asset, areas of concern and recommended maintenance or replacement activities. The review covers corrosion and condition monitoring and design and degradation assessment.

### Design Review and Verification

Intertek APTECH can compare the materials used in facilities for construction, fabrication (such as post weld heat treatment), hardness controls and corrosion allowances against accepted industry standards to ensure that the materials used in hydrocarbon plants provide a minimum life service. We can also work with you to develop a design verification methodology for pressure vessels and piping components to help you achieve increased operational safety and jurisdictional compliance through the engineering review.

### Reliability Analysis

To help reduce the risk of unplanned downtimes, the application of relatively inexpensive but powerful and reliable forecasting tools can help reduce maintenance costs, optimise capital investment and decrease the number and duration of outages.

## Technical Inspection, Procurement and Quality Assurance

Engineering, Procurement and Construction (EPC) companies need to develop and deliver projects on schedule, within budget and to challenging criteria and specifications. Intertek WISco has a long history of working with the EPC market, supporting operators in managing and delivering projects on time and to specification through a comprehensive range of expert support services.

### Vendor Inspection

Intertek personnel are strategically located around the world to accommodate any purchase order requirement raised by our customers.

### Vendor Expediting

We actively ensure suppliers operate within purchase order requirements and meet agreed delivery times.

### Site Inspection

We oversee modular integration as well as the installation of offshore platforms, jackets, hulls, decks, piles, quarters and topside equipment.

### Vendor Assessment

Intertek's supplier assessments, also known as 'fabrication surveys', allow for a detailed evaluation of the supplier's capabilities prior to issuing a purchase order.

### Technical Staffing and Outsourcing

Intertek's proven practices and specialised recruiting procedures enable us to identify and supply staff to meet the increasing demand for experienced and reliable personnel.

## Analytical Support

At every stage of the oil and natural gas production and transportation process, analytical surveys can help you make the right decisions when allocating your resources. Our analytical services complement your in-house capabilities, providing critical information to guide your decisions on drilling, production processing, marketing and refinery optimisation. Our suite of leading-edge instrumentation makes it possible to obtain analytical information that supports the most critical stages of the upstream and downstream production process from a single, expert service provider.

By combining detailed onshore laboratory analysis with offshore site work we help you to identify the best quality crude oil, determine optimum extraction and distribution paths, and optimise allocation of your resources.

### Reservoir Services

Our ability to assess the commercial viability of new discoveries and enhance the recovery of existing oil and natural gas fields comes from a thorough understanding of the characteristics of fluids. Intertek provides a full spectrum of analytical and evaluation services that can help you optimise recovery processes and make the right investment decisions based on information gathered about the composition of hydrocarbon fluids and the properties of the rock.

### Production Testing and Fluid Analysis

Any changes to flow can affect production capacity and may also result in reliability-related failures. Our analytical facilities provide field and laboratory assessments covering a wide range of fluids and products.

### Crude oil assays

Assay data helps refineries determine if a crude oil feedstock is compatible for a particular petroleum refinery and if the refining process is likely to encounter significant problems as a result of its composition. The test results provide detailed hydrocarbon analysis data for refiners, oil traders and producers. Our collaborative approach with our clients helps us to better understand their individual business challenges, so that we can develop the most cost-effective solutions to meet their needs.

### Metering Measurement and Allocation Management

The need to measure individual flow rates of export oil and gas, maintain flow rate and track individual well performance is a fundamental requirement for most engineering and reservoir managers. Intertek provides allocation services, metering consultancy, flow measurement and calibration services to help measure output in a fiscal environment.



## Refining Support

The global demand for cleaner oil products that still meet regulatory, performance and operations requirements means oil refiners face numerous issues. Additionally, as Oil Analysis has become increasingly more recognised, there is a need to expedite the analytical processing of all your products. The demand for better methods of analysis in terms of precision, specificity and sensitivity are of paramount importance to support your core business.

As a refiner, you need to be in control of all stages of the distillation process and to ensure each refined product that leaves the refinery meets the industry specifications and remains uncontaminated. Failure to identify and resolve issues at any stage of the process can result in downtime and unexpected costs.

Intertek's experts work with you at every key stage in the refining processes – from identifying the quality and quantity of the crude oil shipment to certifying

the end products ready for distribution. Our field inspection experts work along side you making certain your product is correctly sampled to avoid introducing contaminants, obtaining a characteristic representation of the product in your tank and expertly gauging the volume to ensure measurement accuracy.

We have strategically placed state-of-the-art technical centers and laboratories in all major ports around the world. All of these centers are staffed 24/7 with skilled laboratory personnel able to deliver key information at critical stages of the production process.

Intertek recognises there is a shortage of qualified and experienced personnel available for fuel blending, product control, laboratory testing overflow and oversight. We have invested in a knowledge base that consists of world-class experts to work with you, side by side, assisting the refining industry to measure and manage many of these technological risks.

## Distribution & Retailers

The global demand for energy means oil, coal and liquefied natural gas (LNG) products are transported all over the world via road, rail, pipeline and ship. Controlling the quality and quantity of the product in distribution can present a major challenge for distributors and retailers; secondary contamination or volume discrepancies can occur, making it difficult to guarantee product integrity at every stage from the processing plant to the end consumer.

Getting your product to market is one thing; making 100% sure it gets there in perfect condition is quite another. Intertek's experts recognise the unique properties and uses in all your products, whether it's crude oil for distillation, gasoline and diesel for transport, fuels for heating, bunkers for shipping, or natural gas for vehicles and utilities.

Intertek understands that products are destined for specific markets and that different handling is required within each to prevent cross contamination from multiple organic or inorganic sources. We help mitigate that risk in transit by inspecting the suitability of the vessel for the product being shipped, conducting analysis throughout all stages of distribution, and surveying the quantity at load and discharge point for inconsistencies. We monitor your oil and gas product movements any where in the world ensuring all parameters at point of sale fall within contractual obligations as intended protecting all parties.



### 24/7

For round the clock challenges, Intertek provides 24/7 solutions.



## Liquefied Natural Gas

While Natural Gas has been an abundant source of energy for many years, it has of late earned a new appreciation in solving the world's energy needs. Natural Gas is the cleanest burning fossil fuel and with future oil supplies in question, environmental concerns, and energy demand expected to increase, Natural Gas usage will grow. As a supplier, you need to minimise transportation costs and product losses. You must also be aware of changes in composition that affect your contractual obligations at the point of sale. As a terminal or shipping operator there is a need for tank calibration, detection of corrosion failures, and a requirement to meet international maritime construction and operating standards.

Intertek know that due to the cryogenic temperatures and characteristics of auto-refrigeration, there are unique handling & transfer procedures in place to ensure safe cargo operations for LNG. Contractually required measurement and testing methodologies used throughout the industry determines the energy content and mass of a cargo.

We offer solutions to accurately determine the calorific value and volume for custody transfer. Our laboratories provide analytical services to LNG vessels and facilities generating reference data for product quality helping you identify critical elements such as sulfur compounds and mercury impurities.

Intertek's verification and calibration professionals ensure your vessels and shore tanks are measured precisely. Calculations can also be made to take into account factors such as hydrostatic expansion of the tank during filling and thermal expansion of the tank shell in service.

## Coal, Petroleum Coke & Bitumen

Coal, Petroleum Coke and Bitumen represent vital global energy resources. However, with the many diverse grades available and the difficulty of measuring stockpiles, coupled with the market volatility and environmental concerns, producers face complex challenges.

Intertek provides a wide range of services to assist our clients in meeting these various challenges. By operating on-site laboratories, we can provide real-time analyses so that coal and coke being processed for shipment meets quality specifications. We are also able to continuously monitor coal cleaning plants to ensure process optimisation.

We also conduct stockpile surveys using laser imaging which, compared to more traditional methods, can accurately quantify volumes at a lower cost and from a safe vantage point.

## Power Generation

Many traditional coal and oil-gas fired power stations are approaching the end of their working life. At the same time the pool of experienced labour that maintained them is shrinking. As a result, there is an increased likelihood of failures and incidents, which in turn increases the potential for insurance claims and litigation.

Although the topic of renewable energy is on everyone's mind, there is still significant investment, existing infrastructure and work to be completed on traditional power systems. These current workhorses include combined cycle power plants, gas and steam turbines/engines and generator sets. Intertek can work with you to help reduce the financial and safety risks associated with aging plants.

Our services include:

**Product Testing and Certification** helps manufacturers navigate the complex and ever-changing world of product regulatory requirements. From initial design reviews through laboratory or field testing to final product certification, we can help you to sell products in whatever market you choose to enter.

**Costs of Cycling, Maintenance & Unit Reliability** programs determine and implement optimal cost strategies for equipment cycling. Proprietary techniques and software are used to calculate the present value of future wear and tear costs due to load cycling fossil plants.

**Equipment Life Management** programs from Intertek APTECH help you develop and implement life management plans for major equipment items as well as entire fossil power plants.

**Risk-based inspection of piping** means you can plan and implement cost-effective, risk-based life management programs for high-energy piping, feedwater condensate and drain lines.

**Proactive and "Just-In-Time" Operations and Maintenance** tools enable you to optimise plant operations and maintenance.

**Corrosion fatigue damage** on boiler water tubes.

**Reliability, Risk Assessment and Failure Analysis** help implement power generation reliability improvement programs that incorporate plant asset evaluations and reduce equipment failure.

**Boiler Tube Failure Reduction** programs help our clients reduce fleet-wide boiler tube failures and increase reliability while minimising capital spending.

**Analytical capabilities**, including boiler modeling, economic analysis, structural integrity stress analysis, fracture mechanics and probabilistic & statistical analysis.

### Quality assured

Intertek provides a wide range of services to assist our clients in meeting the various production challenges



### Risk averse

Intertek help reduce the financial and safety risks associated with aging plants.

## Alternative Fuels – A new generation of energy

The dependence and increasing demand of fossil fuels globally have driven the need to seek sustainable alternative energy sources. Heightened environmental awareness, foreign policy and pressing economics draw attention to these non-conventional energy alternatives.

### Bio and Ethanol Fuels

Every alternative fuel producer and supplier knows their fuels need to meet increasing emission, product reliability and fungibility standards within the traditional fuel infrastructure. In addition, the implementation of unique handling requirements designed to avoid cross-contamination, management of shorter product shelf life, processing and distribution all differ radically from those of petroleum fuels.

We have long recognised the need for global standardisation in the analysis and handling of alternative fuels. As a consequence, we have well-established international expertise and analytical resources that can help you meet the challenges of this market.

Intertek understands that biodiesel and ethanol are highly sensitive compared to traditional fossil fuels. There is a danger of humidity contamination and oxidation during shipping, transport and storage, while an increase in the variety of feedstock entering the supply chain means meeting specifications has become a challenge.

Surveying the quality and quantity of raw feedstock material, together with appropriate processing, transport, storage and blending activity products is the key to delivering quality to the end consumer. Intertek has invested in the technology and personnel needed to meet the ever-changing requirements of this emerging market. As new generations of alternative fuels come to market, our experts will be ready to analyse and oversee your distribution requirements.

### Nuclear Energy

The increasing strain on traditional energy resources coupled with public demand for cleaner energy has driven interest in alternative sources such as hydro-electric, natural gas and nuclear. One of the key challenges in this area is the ability to adapt existing facilities and develop new and more efficient plants that deliver operational efficiencies without compromising safety.

Intertek APTECH provides multi-discipline expertise to the nuclear energy sector with a special focus on services for boiling water reactors (BWR) and pressurised water reactors (PWR). Our in-depth engineering expertise means we can work with you to carry out detailed reliability and safety evaluations of critical assets such as boilers, turbines, generators and high energy piping.

In addition, we can apply proprietary technologies that enable you to calculate power plant cycling costs. As important though technology is, it's our people that really make the difference. Our engineers are experts in mechanical, civil, chemical, metallurgical, corrosion, structural, welding and project management engineering – all of which helps us solve many of your research, technology development and plant operations and maintenance requirements.

## Embracing change

Finding viable alternatives to fossil fuels is a technical challenge.

## Renewable Energy

Interest in renewable energy sources is increasing. Operators in this field need to ensure that sources are sustainable while utilising infrastructure that can cycle existing power plants and operations, as well as introducing appropriate control measures for energy derived from wind and solar sources.

Intertek offers a suite of renewable energy and efficiency solutions to support your business model. Using our in-depth knowledge of the power, renewable energy and energy infrastructure fields, we can provide you with optimised supply chain and asset integrity management solutions to help you achieve the energy and efficiency results you are looking for.

We have developed an end-to-end Eco-Managed Renewable Energy program that helps minimise the impact and cost of implementing renewables on existing power generation infrastructure, increases the efficiency of renewable energy implementation, and maximises carbon credits by reducing CO<sub>2</sub> emissions. Our Eco-Management solutions include greenhouse gas reduction programs, consultancy and verification, cycling optimisation and third-party sustainability verification and reporting.

## Wind Energy

The demand for clean energy has resulted in wind turbine systems becoming larger and more complex. Manufacturers, developers, and operators in this sector now require third-party verification to help reduce risk, ensure component safety and reliability, and comply with the large number of design, testing and certification standards.

Intertek can work with you in the following areas:

**Engineering services** including evaluation of mechanical design, construction review and materials studies.

**Testing of individual turbine components** such as the gearbox and generators for suitability, wear characteristics and failure.

**Inspection of wind turbines** to improve reliability and reduce breakdowns.

**Certification** to demonstrate that turbine generator system or facility meet specific standards for elements such as electrical safety, design, power performance, noise emissions.

**Intertek APTECH** provides analysis of the effect of Wind Turbine operation on the cost of operating conventional fossil fueled power plants.

**Wind turbine gearbox oil qualification and oil condition monitoring** to ensure the health of the wind turbine and its components.

## Solar Energy

The value of the global solar energy market is expected to more than double by 2013, reaching US\$70 billion. Currently, first- and second-generation photovoltaic cells have higher efficiencies than their third- and fourth-generation emerging competitors. The need to reduce the cost of materials and new manufacturing processes is vital in order to remain competitive.

Intertek can work with you from the material research stage all the way through to manufacturing, helping you meet your efficiency and production goals in the following areas:

**Electrical Safety Testing and Certification of Photovoltaic (PV) Modules** to ensure compliance to ANSI/UL and IEC standards. With new PV laboratories and state-of-the-art equipment strategically located around the world, we can test and certify PV equipment quickly.

**Performance testing** to support product claims, such as Energy Efficiency, power ratings, warranty periods, durability and reliability, and throughput verification. Accelerated stress testing helps identify a product's potential failure points, and competitive benchmarking can help manufacturers determine price/performance strategies.

**Photovoltaic Fabrication Equipment** testing and certification, including safety and electromagnetic compatibility.

**Generator testing** of traditional standby generators with integrated inverter systems, PV specific inverters as well as wind turbine and fuel cell inverters. We can test grid- connected or stand-alone inverters at our new state-of-the-art inverter lab or at the manufacturer's facility. In addition, Intertek can test all related features of battery charge controllers, standby switches, GFCI devices and more.

Intertek also tests and certifies all **interconnecting system equipment (ISE)**, including special 'complete package' boxes where multiple ISE equipment is brought together in a single package and traditional DC combiner boxes.





## Quality Management Systems

Upstream or downstream, maintaining business relations with your suppliers and customers is critical to your success. A management system will help you to ensure that you consistently plan, build and deliver products or services that are aligned with company policy and objectives.

Intertek's management systems auditing and certification services will give you the confidence of knowing that your operational processes meet company, customer, and regulatory requirements.

As an accredited third-party registrar, we provide independent verification that your management system meets a wide variety of internationally-recognised standards, including ISO 9001, ISO 14001, and OHSAS 18001. We give you more than a certificate: we give you the tools to minimise business risk, identify cost savings, and make measurable improvements to the business.

Additionally, our internal audit, second-party supplier audit, and Performance Model process analysis services will help you proactively monitor performance while saving valuable time and money.

With a high level of technical expertise and an unparalleled focus on customer satisfaction, we go beyond basic compliance to be a true business partner and solution provider.

45%

The cost savings an Intertek client achieved by working with us to consolidate their global management systems' certifications.



## Hazardous Locations

The oil and gas industry uses specialised equipment for exploration, refining, processing and delivery and requires certification for use in a Hazardous (Classified) Location or a Potentially Explosive Atmosphere. The safety of individuals working in these conditions is of paramount importance.

Intertek is your partner in product testing and global certification to FM, IEC, CENELEC, UL and CSA standards for all equipment such as control panels, instrumentation and processing and control equipment. Intertek's Haz-Loc services include Preliminary Design Reviews, Site Services, Listing and Labeling of products for North America and ATEX and IEC Ex product and quality system certifications.

Intertek is an ATEX Notified Body, DSEAR implementation specialist and CompEx Training Centre. We have the largest ATEX/IEC Training facility in the UK plus satellite training facilities in the US and Scandinavia. Intertek provides both open and bespoke training, and our unique management systems ensure that all staff are verified and attributed as competent and remain competent through regular automated updates.



## Exacting standards

In Hazardous Locations we recognise that the safety of the individuals who work there is of paramount importance.

## Services & Sector Index

In addition to the specialist services outlined within this brochure, a list of the services we offer and the sectors that we serve within each industry area, as well as our cross-industry services, can be found below.

In summary, we offer:

- Testing services to help you protect your reputation
- Inspection services to help you manage risk
- Certification services to help you reach new markets
- Auditing services to help you control operations
- Outsourcing services to help you focus on core activities
- Advisory services to help you advance your business
- Training services to help you improve your performance
- Quality Assurance services to help you meet expectations

### Cross industry services

Advisory Services  
Auditing  
Certification  
Climate Change  
Corporate Social & Environmental Responsibility  
EMC & EMI Testing  
End of Life & Waste Compliance  
Expert Legal Witness  
Laboratory Design & Consulting  
Laboratory Outsourcing  
Laboratory Services  
Legal & Insurance  
Life Cycle Assessment  
Management Systems Auditing & Certification  
Metallurgy & Materials  
Outsourcing  
Quality Assurance  
REACH & RoSH  
Restricted & Controlled Substances  
Retail, Distribution Import  
Risk Management  
Second Party Auditing  
Supply Chain Management  
Sustainability  
Training

### Aerospace & Automotive

Airbags  
Ballistics  
Engine Emissions Testing  
Engine Services  
Fuel System Services  
Lighting  
Lubricant Services  
Marine  
Personal Protective Equipment  
Used Oil Analysis  
Vehicles  
VOC Testing

### Building Products

Construction Products  
Door & Openings  
Fenestration  
Fire Door  
Furniture  
Hardware  
Hearth Products  
Manufactured Wood  
Plumbing

### Chemicals

Advanced Materials  
Analysis & Testing  
Cargo Inspection & Testing  
Catalysts  
Coatings, Inks & Adhesives  
Engineering & Consulting  
Environmental, Regulatory & Safety  
Industrial Inspection  
Inline & PAT Services  
Pilot Plant Services  
Plastics & Polymers  
Speciality Chemicals  
Water Services

### Consumer Goods & Retailers

Accessories  
Apparel  
Electronic & Electrical Products  
Food & Beverage  
Footwear  
Furniture  
Gifts & Premiums  
Hardlines  
Healthcare & Beauty  
Home & Personal Care  
Home Appliances  
Household Chemicals  
Juvenile Products  
Packaging & Packaging Materials  
Packaging Testing  
Product Failure & Investigation  
Soft Home Furnishings  
Textiles  
Toys & Games

### Electrical & Electronic

Commercial Kitchen Ventilation  
Components  
Food Equipment  
Gaming  
Haz-Loc

### Energy

Bio-Fuels and Alternative Fuels  
Cargo Inspection & Testing  
Coal and Pet-Coke  
Distribution & Retail  
Engineering & Consulting  
Environmental & Safety  
Exploration & Production  
Industrial Inspection  
Laboratory Services  
Metrology  
Refining  
Renewable Energy

### Food & Agriculture

Audits & Certification from Systems, Processes & Products  
Cargo Inspection & Certification  
Claim Substantiation  
CSR, Inspections  
Customs & Excise Support  
Environmental Standards  
Label Verification  
Laboratory Services  
Quantity Determination  
Risk Assessment & Management  
Traceability  
Training  
Transport, Distribution & Handling

### Government & Institutions

Defence & Homeland Security  
Environmental Compliance  
Fiscal Allocation & Support Services  
Forensic Analysis  
Product Integrity/Counterfeit  
Regulatory Advisory Services  
Research & Development  
Standards Programmes

### Home Appliances & Electronics

HVAC  
Industrial  
Laboratory  
Life Safety  
Luminaires  
Medical  
Multimedia & AV  
Pool & Spa  
Power Systems  
Power Tools  
PPE  
Renewables  
Semiconductor  
Software  
Toys  
Wire & Cable

### Industrial

3D Laser Scanning  
Asset Integrity Management  
Civil & Construction  
Condition Assessment  
Engineering, Procurement & Construction  
Failure Analysis  
Forensic Investigation  
Health, Environmental, Regulatory & Safety  
Industrial Manufacturing  
Infrastructure  
Laboratory Services  
Materials Analysis  
Materials Consulting  
Non Destructive Testing  
Quality Control  
Quality Management  
Research & Development  
Risk Based Inspection  
ROI Modelling  
Systems Certification  
Technical Inspection  
Wind & Water

## Intertek – the mark of quality

For more than a 100 years, Intertek has guided clients through the challenging certification process. Offering the broadest range of certification and accreditation marks accepted in markets around the world, Intertek can help clients to succeed in new and existing markets, meet evolving regulatory requirements and win new customers.



### IT & Telecom

Central Office Equipment  
Outside Plant Equipment  
Radio  
Software  
Wired Equipment  
Wireless Equipment

### Medical & Pharmaceutical

Medical Devices  
Pharmaceutical Development  
Pharmaceutical Manufacturing

### Minerals

Cargo Inspection  
Environmental Testing  
Geochemical Analysis  
Mineral Assay  
Mining Exploration Services  
Mining Production Services

### Laboratory Services

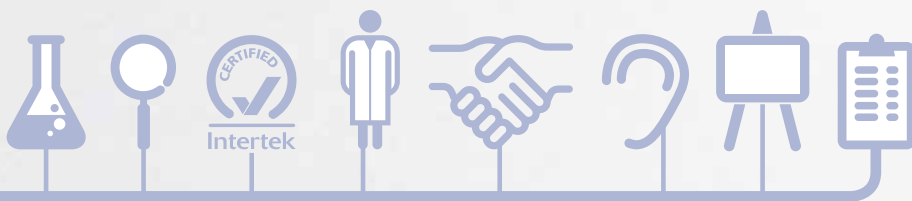
Materials Analysis  
Quality Control  
Research and Development  
Performance Testing  
Regulatory Testing

### Textiles, Apparel & Footwear

Accessories  
Apparel  
Footwear  
Soft Home Furnishings  
Textiles

### Toys, Games & Hardlines

Electronic Games  
Furniture  
Gifts & Premiums  
Hardlines  
Home Appliances  
Juvenile Products  
Toys & Games



For more information please contact us:

**Americas**

Intertek  
2200 West Loop South  
Suite 200  
Houston, TX 77027  
USA

t: +1 888 400 0084  
+1 281 971 5600

e: [info@intertek.com](mailto:info@intertek.com)

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

**Europe**

Intertek  
734 London Road  
West Thurrock  
Essex, RM20 3NL  
UK

t: +44 1708 680 248

**Asia**

Intertek  
200 Cantonment Road  
Southpoint 16-01  
Singapore 089763

t: +65 6515 4510