Applus+ is a worldwide leader in the testing, inspection and certification sector. We are a trusted partner, enhancing the quality and safety of our clients’ assets and infrastructure while safeguarding their operations. We deliver this through our technical capabilities, innovative approach, and motivated team who are committed to operational excellence.

Comprised of a large, global and multidisciplinary team of experienced and skilled professionals, Applus+ are renowned for delivering technical excellence across a variety of sectors.

We place a strong emphasis on technological development and innovation, as well as having a clear understanding of regulatory requirements. At Applus+ our focus never veers from integrity and ethics, independent assessments, customer satisfaction and safety at work.

Applus+ delivers innovative, consistent and reliable leading-edge technologies and services for non-destructive testing, inspection and certification to the capital intensive, high risk oil & gas, power and energy, and aerospace industries.
Adding value through a flexible approach, Applus+ operates across a wide range of industrial sectors, from chemical, water, and aerospace, to onshore and offshore oil & gas operations. Applus+ are also a trusted partner in the renewables and nuclear generation sectors, supporting the nuclear new build program in the UK.

Activities include the inspection of both new and existing pipelines, maintenance, construction of LNG tanks and petrochemical plants, as well as on-wing and engine aviation inspections.

Systematic testing and recommendations for service and inspection programs are also carried out, as well as checks on client’s compliance with regulatory, technical and safety regulations. In addition, by offering a range of services that go far beyond developing and implementing testing technologies such as comprehensive advisory and consulting facilities, Applus+ adds value to every client’s operations and assures quality results.

To enable a focused response to client’s needs, Applus+ has grouped its activities around the operational areas of its clients. Each area is based upon the knowledge, experience and technologies required to address specific requirements at a client’s installation.

All available technologies and testing methods can be applied, with the Applus+ employees’ comprehensive knowledge of the field involved ensuring that the most effective solution can be rapidly identified. The key area of focus lies with achieving total integrity of the particular object or installation.
Applus+ provides a range of conventional non-destructive testing services.

Non-destructive testing (NDT) is the process of inspecting, testing, or evaluating materials, components or assemblies for discontinuities, or differences in characteristics without destroying the serviceability of the part or system. In other words, when the inspection or test is completed the part can still be used.

Our range of non-destructive applications include:

- Visual Inspection
- Liquid Penetrant
- Radiography
- Magnetic Particle Detection
- Ultrasonic Testing
- Positive Material Identification
- Hardness Testing
- Eddy Current Testing

Applus+ is world-renowned for technical innovation in the sphere of non-destructive testing (NDT). Pioneers in the use of wide-ranging inspection techniques, we have developed our own inspection systems and state-of-the-art industrial applications.

Our highly qualified workforce and cutting-edge NDT and inspection techniques lie at the heart of what we do. Applus+ provides the following advanced non-destructive testing methods & applications:

- Inverse Wave Extrapolation - IWEX
- Pulsed Eddy Current - INCOTEST
- Automated Ultrasonic Testing - Rotoscan
- Phased Array Weld Inspection
- Long Range Phased Array Corrosion Under Pipe Supports
- Time of Flight Diffraction
- Corrosion Mapping
- Long Range Ultrasonic Inspection
- EMAT / Chime / M-Skip Pipe Support Inspection
- Guided Waves Pipe Inspection
- IRIS / Eddy-Current Tube Inspection
- Hydrogen Induced Cracking Inspection - HTHA
- Computed Radiography
- Magnetic Flux Leakage & Saturated Low Frequency Eddy Current
- Laser Scanning
- Spectrum Analysis
- Austenitic Weld Inspection
- High Energy Betatron Examination
Applus+ leads the field in advanced technology with its own R&D laboratories, worldwide resources and geographical coverage.

We work closely with industry leaders and subject experts to ensure we have market leading capabilities and the necessary techniques to meet with our client’s demands.

Applus+ provides the following Inspection services:

- Pipeline Inspection
- LNG Tank Inspection
- Third Parties Inspectors
- Inspection for In-Service and Out-of-Service Assets
- Inspection and Advice for New Construction
- Inspection Engineering and Solutions
- Repair Advice
- Material Analysis
- Corrosion/ Damage Analysis Consultancy
- Fitness for Service (FFS) Evaluation
- Visual Testing

- Risk Based Inspection
- Asset Integrity Services (AIM)
- Radiation Protection
- Radiation Safety Management
- Engineering and Critical Assessment (ECA)
- Materials Science
- Laws And Regulations
- Welding Technology
- Corrosion and Damage Analysis
- Inspection Methods

Delivering flexible and effective inspection testing services to previously inaccessible work fronts, allows value for money and alternative cost saving strategies to be realised.

The advantage of using rope access methods mainly lies in the safety, speed and the cost saving comparable to a more bespoke means of accessing the workface, with minimal impact on other operations in the nearby area.

Our rope access division also provides a turnkey package of fabric maintenance service offering which also demonstrates improved operational efficiencies.
Applus+ HEX provides an alternative access solution to a work scope which has traditionally required full scaffolding in order to facilitate personnel.

The HEX, along with rope-access techniques, provides a far more robust system with many benefits for our clients. The lightweight, hexagonal, aluminium trussed frame is built on site and suspended using certified lifting equipment and a central rigging point. The HEX system provides 360-degree access for trained competent personnel to provide a suite of services from inspection preparation to advanced non-destructive testing.

Applus+ trained personnel can provide supervision for external contractors requiring access using the specialist fall-arrest system.

Applus+ RVIS provides remote visual inspections and non-destructive testing as a safe, fast and cost-effective alternative to manned inspections.

Our mission is to transform visual inspections by combining inspection expertise with the latest cameras and remote technologies. Applying the principles of design thinking, we customize remote inspection solutions based on our clients’ needs and inspections goals quickly and economically. We focus on solutions that make our clients’ asset management safer and more efficient.

We are two times Commercial Success Award winners for generating considerable costs savings for our clients, and provide the following services:

**RVIS (REMOTE VISUAL INSPECTION SERVICES)**

**SU15, 3D laser scanning**
3D laser scanning of hard to reach places such as complex piping and confined places such as tanks. We have adapted remote tools to carry 3D scanners for 3D modelling of hard to reach structures and confined spaces. We employ the latest scanning software for generating comprehensive visual reports.

**PU12, Inspection Pole Camera**
Award winning solution for visual inspection of complex piping structures or other structures with small entries. The PU12 is designed to inspect maze-like piping that is too complex for, or inaccessible by, manned inspections. Inspection reports using 3D laser scans enable you to quickly orientate and identify possible defects or degenerated materials that need further examination or repair.

**DU400, Inspection Drone**
Drones inspections are fast, safe and cost-efficient. IR and HD cameras on drones are best for inspections of hard to reach vertical installations such as flare stacks, chimneys, towers, rooftops and tanks. We are fully certified to perform drone operations and we provide experienced drone operators using the latest drone technology.

**CU24, Inspection Camera Crane**
Award winning solution for visual inspection of piping and civil structures. The CU24 is also an effective and safe solution for optical gas imaging for piping at height.

**DU360, Collision Tolerant Drone**
The DU360 is used for visual inspection of confined and no man entry spaces such as pressure vessels and tanks. They replace manned inspection to increase safety and reduce downtime.

**MCU30, Magnetic Crawler**
The MCU30 is an ideal tool for remote visual inspection of storage tanks, rail cars, pressure vessels, piping systems, nuclear power installations, ship hulls, offshore facilities, and more. Easy to deploy and simple to operate, the MCU30, can integrate different sensors based on our clients’ requirements and inspection goals.
VENDOR AND THIRD PARTY INSPECTION

Applus+ provide vendor inspection and expediting for the oil & gas industry. Sometimes referred to as Source Inspection, Shop Inspection or Independent Third-party Inspection, Vendor inspection involves activities performed at manufacturer’s works on all types of new build mechanical, rotating, electrical, and instrumentation equipment that are purchased by clients within the petrochemical, oil & gas, power, pharmaceutical and mining industries.

Vendor inspection services provide confidence to clients that purchased equipment will arrive to the correct specification, and minimises the financial impact of faulty equipment. The level of vendor inspection services provided is set by the client and is intrinsically linked to the equipment involved, the Purchase Order requirements and the technical specifications / standards applicable to the equipment. Normally the level of inspection is reviewed with the client to ensure that both parties fully understand what is expected of the other.

The strength of our approach comes from offering a global service while meeting local needs, achieving this by operating in all the world’s major established and emerging markets. Our clients have ease of access to our global network via their local office, an approach which offers many benefits to companies trying to remotely control operations in unfamiliar territories, benefiting from our knowledge of local customs, laws and practices. Our experience in these different locations will enable us to help you achieve your goals more effectively.

By combining global coverage and local knowledge with a wide spectrum of services, we are able to create tailored solutions to individual problems. Our range of inter-related services and modular methodology ensure that we can accommodate a real diversity of projects.
Applus can provide a wide range of inspection services both On and Offshore within the Renewables, Oil & Gas and the utility sectors.

**LOLER**

Statutory 6 Monthly Inspection

Lifting accessories such as but not limited to: shackles, eyebolts, wire rope slings, webbing slings, lifting bags, hooks and chain slings.

Statutory 12 Monthly Inspections

Fixed lifting equipment such as, but not limited to; davits, all types of cranes and hoisting equipment, chain blocks, pullifts, tirfor machines, Sky man personnel lifts, electric hoists, overhead gantry cranes and runway beams. All inspection certification is held within our Motion Kinetic management database.

**LOLER FEATURES**

- Hosted on Microsoft Azure – mirrored on 4 servers for max uptime.
- Security level higher than any other provider - ISO/IEC 27001.
- Licensed per Site (Division/Operating Company) and by Named user (for inspector).
- Fully customisable – multi-lingual and currency.
- Ability for Client to customise Apps [iOS/Android/Windows].
- Meets current legislative processes (LOLER/PUWER, PSSR, FIRE as standard).
- Ability to create bespoke templates.

**PUWER**

Statutory Inspections

Equipment such as:
- Anchor points
- Fall arrest systems
- Fall arrest blocks
- Safety harnesses
- Lanyards
- Ladders
- Fire Extinguishers
- Stretchers
- Spinal boards
- First aid kits
- Eyewash

As an accredited UKAS ISO/IEC 17020 “Type A” Inspection body we deliver a service that gives our clients confidence and peace of mind, and all our inspection technicians are trained and assessed in accordance with RG2 for pressure systems and RG6 for lifting equipment.

Our specialists deliver inspection services for statutory purposes to meet the LOLER, PUWER, PSSR and LEEA standards amongst others whilst working within the Renewables, Utilities, and Offshore sectors.

**PRESSURE SYSTEMS**

In Service Inspections

Items such as:
- Accumulators
- Air receivers
- Steam boilers
- Counter boilers
- Safety relief valves and surge vessels

Drafting, reviewing and approving written schemes of examination.
At APPLUS+ excellent HSEQ performance is central to our ongoing success. We take a highly proactive approach to managing health, safety, environmental and quality systems to create and maintain a safe environment at all Applus+ facilities and projects.

Our HSEQ department audits, monitors and continually improves our management systems which are ISO 9001, ISO 14001 and OHSAS 18001.

Every employee from apprentice to senior management is a key contributor to ensuring successful implementation of Health & Safety policies and assumes a personal responsibility for their own actions and those of others.

We set ourselves demanding targets in this area and ensure that our HSEQ values are supported by personal objectives from the management team. To monitor our performance we set challenging active and reactive Key Performance Indicators.

By developing trust between employees, contractors and clients we ensure that HSEQ issues are raised, tracked and closed effectively, thereby improving performance. Applus+ has an enviable safety record and our accident statistics run well below the industry average for the sectors we operate in.

We believe that zero incidents is an achievable target and ensure that adequate resources are provided for all aspects of safety management, providing money, time, equipment and training to continually improve our performance.

For the last 20+ years we have successfully achieved awards for accident reduction and excellence in safety performance from ROSPA, up to and including an ‘Order of Distinction’.

Applus+ boast one of the most comprehensive schedules of accreditation of any NDT and Inspection company in the UK.

In addition to our accreditations and ISO certifications, Applus+ are qualified through various external supplier communities including First Point Assessment Limited (FPAL) and Utilities Vendor Data-Base (UVDB).

This provides confidence for our clients that we have been audited and ranked by an independent third party against HSEQ and Training and Competence criteria. Applus+ rank in the top 5% of all service Organisations in both schemes.

To ensure we provide a sustainable environment for future generations Applus+ monitor, measure and improve upon our environmental impacts year on year. This pledge is supported from the very top of our Organisation and our annual CSR Report is both informative, transparent and publicly available.
As part of the Applus+ Group we have three Core Pillars which have enabled us to become and remain best in class and on which we will recruit, retain, reward and release staff.

It is our belief that in order to achieve best in class time after time we need to be innovative, look after the health and well-being of all our people, through a quality product delivered with a resilient approach to how we conduct our activities.

Our UK-based companies can help you achieve your goals. To find out how, contact our UK Energy and Industry division at:

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