INSPECTAHIRE
INSTRUMENT COMPANY LTD

Inspectahire Instrument Co Ltd
**Company Profile**
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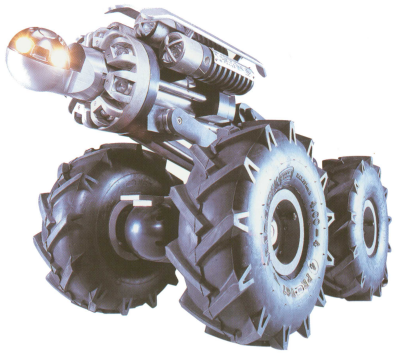
**Issue 8**



*Challenging Inspection Boundaries*



Middle East Agent
SMC-Wellube Middle East Ltd
PO Box 61238
Jebel Ali, Dubai United Arab Emirates

Tel: +971 (0) 4 88 111 02
Fax: +971 (0) 4 88 111 03
Web: www.inspectahire.com
Email: wellube@emirates.net.ae

Inspectahire Instrument Co. Ltd
Unit 11, Whitemyres Business Centre
Whitemyres Avenue
Aberdeen AB16 6HQ Scotland

Tel: +44 (0) 1224 789692
Fax: +44 (0) 1224 789462
Web: www.inspectahire.com
Email: enquiries@inspectahire.com

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## 1.0 INTRODUCTION

Inspectahire Instrument Co Limited (2IC) is a privately owned company that was established in 1981. Headquartered in Helensburgh, Scotland with the main operational office in Aberdeen, the company is the UK market leader in providing progressive solutions to NDT, remote operation and video inspection tasks. **It operates both as an Equipment Hirer and as a Service Provider.**
This profile document provides further details regarding the company, its capabilities and its client base.

## 2.0 OBJECTIVE

Inspectahire has one simple objective and that is to provide an unrivalled service that meets the clients needs in all respects. The founding principal, one that is still followed today, has been to adapt and develop a range of services to meet the ever-changing needs of inspection (specifically minimal access) and integrity verification.

2IC is committed to being progressive in the application of new technology and the development of innovative processes and services to provide a market leading inspection service. Project challenges provide a critical focus.

Key to this challenge is a substantial investment in personnel and equipment. Application of new technology through a regime founded with extensive training is fundamental to meeting the clients' needs. This is further enhanced with a continuous review of complementary activities. This ensures that 2IC has the most complete source of inspection equipment and associated personnel capability that integrates into an exceptional capability.

Notwithstanding the above, is the underlying objective of building a self-sustaining and successful company capable of delivering a first class service.

## 3.0 COMPANY INFORMATION

2IC Ltd is the UK's leading supplier of progressive inspection solutions. In particular, the company has established itself as a prime supplier of engineering and optical solutions to harsh environment inspection applications. The company has major customers for its expertise in civil engineering, transportation, utility and offshore markets. In all market areas, the company is committed to providing long-term support to existing and future customers and minimising downtime and cost of ownership.

The UK is predominantly the main market for 2IC with an international focus through overseas representatives. 2IC has a number of facilities located in the UK, included in these are:

- **Aberdeen** - Main operational office
- **Helensburgh** - UK Head Office.

These offices are strategically located close to national and international transport links. The Aberdeen office is additionally equipped with design capability. The company is supported by a dedicated team of Project Engineers with a wide range of operational experience backed-up by an unrivalled pool of inspection equipment.

## 4.0 INSPECTAHIRE CAPABILITY

2IC's main business activities include the following:

- Inspection Services
- Equipment Hire
- Condition Monitoring
- Non-contact measurement (laser and acoustic)
- Feasibility Studies
- Sample or debris removal
- Video editing and reporting
- Photography
- Consultancy
- Risk Assessment
- Thermography
- Ground Penetrating Radar
- Safety Analysis

The principal activities of the company are the provision of Inspection Services, Equipment Hire and Inspection Solutions Engineering.

### 4.1. Inspection Services

Within each core market, a number of niche application areas exist (see Section 5). Each of these niche areas exists through the need to inspect. As a consequence, 2IC has developed an Inspection capability to address each of these niche areas. Specifically, the company can react to the following situations:

- Pre and Post commissioning
- Routine maintenance
- Fault detection
- Unscheduled events
- Design of bespoke intervention systems

2IC utilises only the most advanced inspection technology available from leading instrument manufacturers:

- KAPPA (optical equipment)
- C-Scope, Radiodetection (underground infrastructure locators)
- Olympus, Welch Allwyn, Scholly (fibre optic instruments)

- Hytec, Ibak, Pearpoint (pipeline CCTV)
- Kongsberg (underwater cameras)
- ILO (explosion proof camera systems)
- FLIR (thermographic cameras)
- Panametrics (Ultrasonics)
- Tritech (Sonar)
- SGS ( Pulsed Eddy Current)

Inspectahire is clearly the first choice for all inspection applications.

## 4.2. Equipment Hire

2IC provides a rental service of instruments and accessories that are coupled with a corresponding support package. Integrated rental packages are developed to suit the inspection task and level of client expertise. Hire packages can be developed from a client's task description or a site visit by a 2IC representative. 2IC's extensive experience will ensure a rental solution that is cost effective utilising the latest or most appropriate inspection technology.

The rental pool only consists of the latest equipment from proven suppliers e.g., Olympus, Pearpoint, Everest, Sony etc. All equipment is transit cased to allow ready transportation to any worldwide destination. All equipment is accompanied with appropriate test certification and operating instructions.

A wide selection of rental options is available including long term hire and system package rates. If the client has available trained staff, rental could prove a very effective solution.

## 4.3. Monitoring

2IC offers a complementary monitoring service. This service is offered to aid client knowledge of a structure subsequent to the inspection task or during on going works involving the asset.

2IC offers a wide range of solutions covering dedicated monitoring techniques such as **fibre optic sensors (SOFO),** which can either be constructed around or attached to existing structures.
For small scale building works simple crack measurement devices are available or Covermeters for depth of concrete cover. For large scale areas, such as landslip prone areas, **DIST or GPS** based systems are available.
Alternatively the monitoring may take the form of regular thermal imaging of electrical assets through to the operation of the pool of remote visual inspection instruments to undertake scheduled or mandatory Insurance requirements.

Given the leading edge nature of some of the fibre optic monitoring systems, training courses can be developed to suit the client's needs and level of expertise. All aspects of Training Needs Analysis (TNA) are undertaken and where appropriate, this covers the preparation of Student Guides or notes.

2IC offers a flexible approach to condition monitoring – from 10 yearly surveys of pressure vessels through to on line live monitoring of bridge or dam structures.

## 5.0 MARKET & APPLICATION AREAS

The company's main market areas are principally:

- Civil Engineering
- Transportation
- Utility
- Offshore
- Environmental
- Domestic
- Chemical and Process

A number of the application areas within the main markets are listed as follows, with typical examples of inspections carried out by 2IC. Each of these areas can be cross-market activity. As already stated, the need can be diverse but the outcome is always the same; to determine the problem quickly to allow the minimum of downtime.

### 5.1. Property Surveys

- Commercial & Domestic
- In-situ HVAC or fire mains
- Cladding
- Wall tie or fixing surveys
- Syphonic drainage systems
- Buried Services
- Potable system inspection
- Sewage system inspection
- Insulation surveys – Thermographic
- Subsidence surveys
- Wet or Dry Rot surveys

### 5.2. Environmental Inspections

- Landfill methane vent pipes
- Outfall pipe systems
- Land drainage systems
- Wildlife monitoring
- Location of mammals
- Condition of soils
- Water Boreholes
- Heat loss

## 5.3. Civil Engineering

- Bridge beddings
- Pre-stressed steel sleeves
- Joints
- Chambers
- Chimneys
- Tunnels
- Piling Monitoring
- Post Tension Conduits
- Rock Anchors
- Glazing Integrity surveys
- Concrete Integrity

## 5.4. Oil Refineries & Power Stations

- Boilers inlets/outlets
- Pipelines
- Process plant
- Heat exchangers
- Crackers
- Receivers
- Underground infrastructure

## 5.5. Pressure vessels and tanks

- Bottom UT surveys
- Wall thickness measurements
- Water and hydrocarbon leak detection
- Robotic internal surveys in hazardous conditions
- Sample retrievals

## 5.6. Offshore

- Manifolds
- Riser inspection
- Corrosion detection
- Process plant
- FPSO's turrets
- Caissons
- Well heads
- Pipe Bundles
- Meter Prover loops
- Turbines
- Air Receivers

## 5.7. Railways

- Rail vehicle inspections
- Drainage surveys
- Corrosion detection
- Track-bed surveys
- Tunnel vent shafts
- Tunnel linings

## 5.8. Aircraft

- Turbine inspections
- Fuel Tanks
- Corrosion detection
- Undercarriage surveys
- Wing Roots
- Component Retrievals

The success of the company in each of the above applications has been the ability to design and facilitate a solution that exceeded the customer's expectations in all respects.

## 6.0 INSPECTAHIRE EXPERTISE

2IC and it affiliates provides Quality Control and Quality Assurance services for every requirement:

- Quality Control Surveillance during Fabrication and Construction of Industrial Plants and Structures
- Worldwide Third Party Statutory Inspection and Certification
- Manufacturer/Supplier Quality Audits
- Vendor/Shop Inspection and Third Party Expediting
- Inspection and Certification of Pressure Vessels, Cranes and Offshore Structures
- ISO 9000 and Total Quality Management Consultancy
- Provision of Technical and Professional Manpower (on Secondment)
- Inspection and NDT on Plant & Facility Maintenance Programs
- Rope Access Engineering Services
- Integrated Inspection and Asset Management Services
- Remnant Life Assessment of Plant, Equipment and Structures
- Corrosion and Cathodic Protection Consultancy, Surveys and Monitoring
- Materials Testing and Welding Technology
- Safety Engineering, Accident and Risk Prevention (HAZOP, HAZAN)
- Environmental Analyses and Eco Audits
- Remote Video Camera Inspection of Inaccessible locations, Internal pipelines, Vessels and Equipment
- Specialised Inspection Techniques, B-Scan, RFET, ACFM, Twin probe Techniques

**2**IC broad range of abilities and applications has meant that it has been able to concentrate upon the provision of harsh environment inspection services as a niche ability. We have broad range of Explosion proof equipment – fibre-optic instruments, cameras, lighting.
With the advent of new technology and the differing needs of a diverse client base, this has allowed the traditional inspection capability to be further enhanced.

In this section, the expertise of the company is outlined.

## 6.1. Engineering

2IC has developed a breadth of engineering expertise over many years from the handling of diverse harsh environment inspection projects. These have ranged from in-house research into new inspection techniques through to engineering of complete turnkey inspection systems. A majority of projects require custom designed systems, which are achieved by innovation rather than invention, thereby permitting the use of proprietary equipment.

**A recent example was the development of a hydraulic robotic arm to allow the "live" visual inspection of the internal surfaces of a butadiene storage tank.**

Our Capability includes:

- Analysis and design of inspection criteria
- Development of bespoke intervention systems
- Specification and evaluation of RVI systems
- Plant design for efficient condition monitoring

## 6.2. Quick Reaction Capability

The organisation and nature of 2IC ensures a rapid and professional response to all customer requirements. This has resulted from the demanding requirements of key clients within power generation and petrochemical industries where the downtime of producing assets has a direct impact on the financial performance of the company.

The company provides a rapid reaction out-of-hours call out facility for short notice on-site support. This serves to provide a 24-hour, 365 day per year call out facility from Aberdeen.

## 6.3. Office Facilities

Inspectahire has two main facilities located in the UK. These are situated in Aberdeen and Helensburgh. An out station is located in Rochester in Kent to support activities in the South of the country.
The Aberdeen site is the main operational base whilst the Helensburgh site provides administrative support but additionally provides a base for the distribution of equipment. The Aberdeen facility is located in a technology unit in the North of the city. The following facilities are available:

- Equipment storage
- Equipment repair and calibration
- Inspection System design and assembly area
- Video editing suite
- Data archive
- Desktop publishing and report generation

## 6.4. Project Management

2IC has considerable experience in the execution of inspection task contracts. This involves managing the project from initial concept and technical requirement stage through development of the inspection system concept, carrying out of the inspection task and beyond to task reporting and follow-up visits.

The manner in which the company manages projects is borne out of over 20 years of experience of performing harsh environment inspections.
For all projects, a Project Engineer is appointed who has responsibility for all client liaison, development of the inspection solution, on-site support and reporting.

The company employs a number of Project Management mechanisms to ensure the delivery of a professional service.

### 6.4.1 Project Team

A team is established which is responsible for the timely achievement of the client's requirement.

### 6.4.2 Reporting

The Project Engineer shall undertake to keep the client informed of project status, either through the system integration phase or daily on-site updates. Communication is key to a healthy client relationship.

### 6.4.3 Contingency Planning

The company shall ensure that suitable action is taken to maintain timely progression of all contracts.
Often more than one piece of equipment is provided and where possible modular solutions are suggest allowing for the change out of smaller elements.

## 6.5. Project Quality

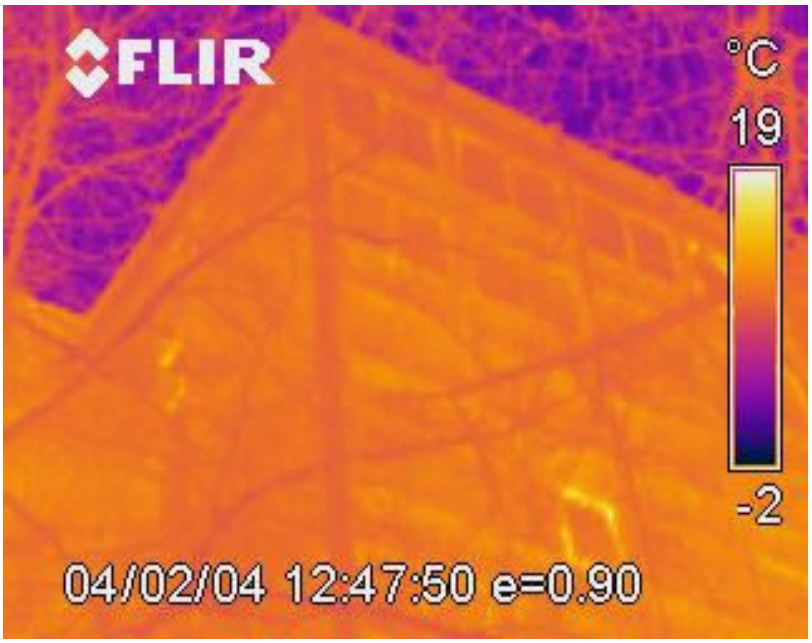
2IC is a company committed to providing customer satisfaction at a price that both the customer and the company can afford. The company undertakes projects to the internationally recognised ISO 9000 series, and the ISO14000 environmental accreditation. The company policy is that quality is conformance to requirements, and good quality is achieved by the prevention of error. The quality target for all tasks undertaken by the company is no defects.

## 6.6. SPECIALIST SERVICES

2IC has considerable experience in the delivery of harsh environment inspection services. 2IC has attracted a talented group of diverse talents which creates the ability to form focussed project teams to create solutions. Some examples of the additional services we provide follow.

### 6.6.1 Thermography

Thermal Camera technology continues to develop in terms of sensitivity and breadth of application. For the building professional, thermal imaging offers the potential for demonstrating compliance with **Building Regulations, including Part L, 1 & 2**. Sophisticated software allows all relevant parameters to be set, such as relative humidity and object temperature so that dew point information is evident and thus potential condensation problems can be highlighted.




***External elevation of building, showing energy loss around several Windows.***


***Moisture tracking along battens above a ceiling.***

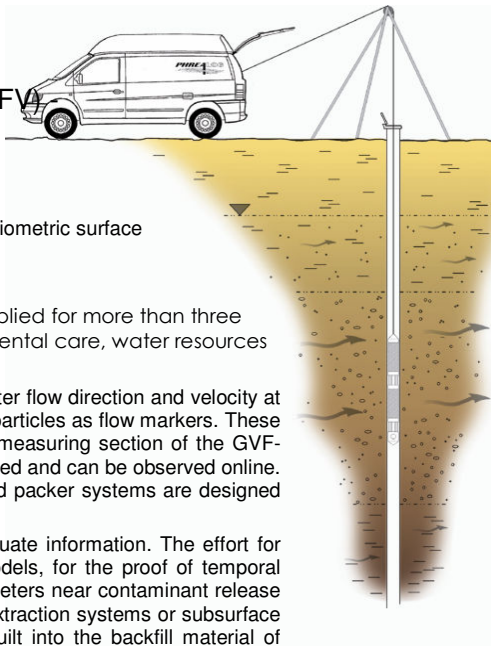
### 6.6.2 **Ground Water Flow Monitoring**

This is a new unique system which operates without having to add trace chemicals and therefore permits continuous monitoring or repeatability. Well bores from 100 mm in diameter upwards can be investigated.

PHREALOG

## GROUNDWATER FLOW MEASUREMENTS

#### *6.6.2.1.1.1. The GFV-System*



Groundwater survey with the Groundwater-Flow-Visualization-System (GFV), a new procedure for the continuous measurement of groundwater flow

A restricted number of monitoring wells, a flat groundwater table or incoherent potentiometric levels: These are causes, which affect the determination of groundwater flow direction and velocity with conventional methods and render the construction of flow models more difficult. Furthermore, potentiometric surface maps may not accurately reflect local groundwater flow conditions.

This is where GFV offers unique solutions.

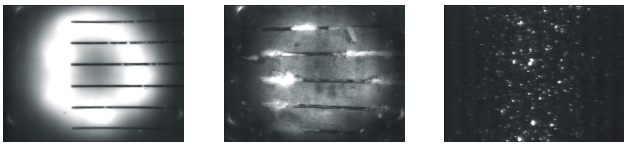
As a specialized service provider for single well measurement with GFV, the system has supplied for more than three years information about groundwater movement for projects in civil engineering, environmental care, water resources management and aquifer thermal energy storage.

Developed by *PHREA*LOG Gmbh, the GFV-System allows online measurements of both groundwater flow direction and velocity at the same time. Flow velocity and direction are determined by using naturally occurring, suspended particles as flow markers. These particles drift along with the in-hole-flow. A special camera system images particle patterns in a measuring section of the GVF-probe. The drift of these patterns gives evidence of in-situ groundwater flow which is directly visualized and can be observed online. Additionally, the particle freight is continuously quantified. Probe-integrated inspection cameras and packer systems are designed to optimize measurements and to gain reliable and reproducible results.

GFV measurements complement the data base of groundwater flow conditions in case of inadequate information. The effort for expensive extensive exploration can be reduced. GFV is used to provide basic data for flow models, for the proof of temporal current changes and of the range of groundwater extraction near site boundaries. Local flow parameters near contaminant release sites or engineered subsurface barriers can be investigated as well as influences of groundwater extraction systems or subsurface drains and tides. Supported by probe-integrated packers, it is possible to check clay barriers built into the backfill material of constructed multi-level-wells.

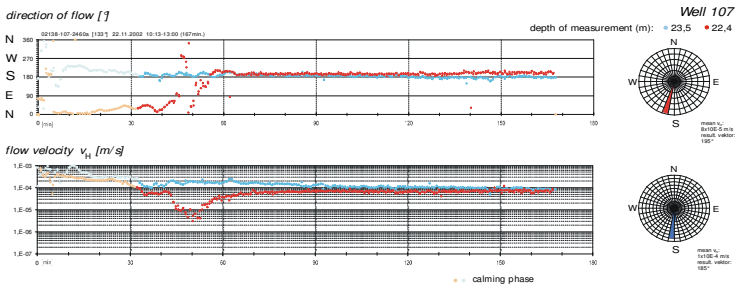
*Advantages of the GFV-System:*

- *Only one single monitoring well is needed in order to determine both groundwater flow velocity and direction*
- *Measurements are permit-free as no artificial tracers are used*
- *Continuous monitoring oft flow condition and synchroneous measurements allow optimum statistical evaluation*
- *Quality control by optical check of well construction and condition before measurements*



*Measuring camera: natural particles*

*Well inspection camera: well condition check before measurementt*




Evaluated data - flow velocity and flow direction -
synchronous measurements in two measuring sections

# Offshore inspection using Pulsed Eddy Currents (PEC)

## What is PEC?

PEC is an inspection technique for measuring the thickness of steel objects, such as pipes and vessels, without the need for contact with the steel surface. PEC uses a pulsed magnetic field to measure wall thickness. A more detailed explanation of how PEC works is given at the end of this sheet.

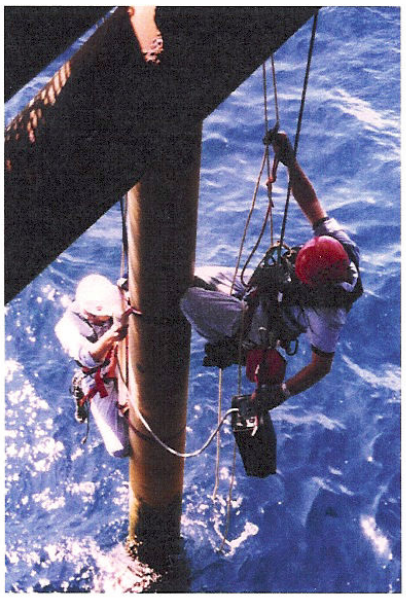
PEC has been used offshore since 1997 and has the following benefits:

- **No need for surface preparation.** PEC can measure through marine growth and coatings as thick as 250mm, and corrosion product up to 20mm thick. Also, PEC is not normally affected by surface roughness.
- **No loss in production.** PEC can be applied in-service, even if the equipment is operating at high temperature.

Some examples of where PEC is used offshore are described below.

## Above the splash zone

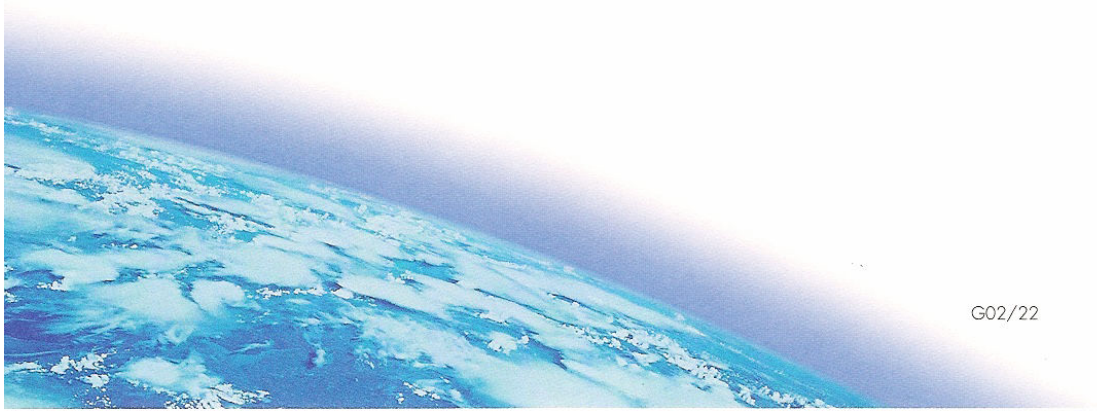
This figure shows PEC deployment for the inspection of a coated riser above the splash zone. This inspection is carried out *without removing the coating and without disturbing the corrosion product*. Over 100 risers have been inspected successfully in this way without any interference to production.



PEC inspection of a riser

## In the splash zone

Special jigs are available for the inspection of risers and caissons *in the splash zone*. These jigs enable the PEC probe to be rotated around the riser or caisson, and the probe to be moved up and down through the splash zone. This scanning pattern allows wall thickness variations over the splash zone to be mapped with a typical accuracy of ±0.5mm.



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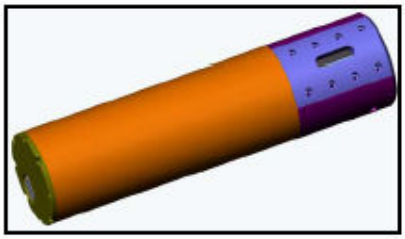
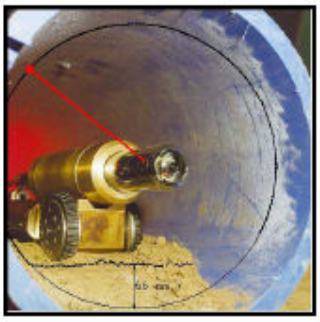
### 6.6.3 **Metrology**

## Overview

The OMC laser profiler has been created in response to demand from a wide range of clients. The principle has been tested in steel, plastic, clay and cast iron pipes, concrete cavities, epoxy coated structures and ductings. Clients include those from the military, water, waste and offshore industries.



The profiler measures internal shapes from 140 to 480 mm diameter. A profile is created using a laser triangulation probe that is rotated through 360 degrees. The angle of the probe is recorded by an optical encoder. More than 1000 measurements can be recorded per second. A typical profile will usually consist of 500 – 2000 measurements and takes about three seconds to collect. Variations in surface colour are taken into account automatically, allowing the profiler to measure objects from black to white. An internal inclinometer for vertical profiles ensures that all profiles can be referred to vertical regardless of the rotation of the device.



## Applications

The system has been proven in use in both the offshore and water/waste industries in an extensive research development phase. The profiler is robustly built to ope in industrial environments, for example:

- Oil and gas pipe measurement
- Plastic pipe deformation
- Manufacturing quality assurance
- Water and waste asset management
- Nuclear industry pipe condition assessment
- Process industry ducting and pipe-work checking

New Product

**OMC Laser Profiler 15/50**

Robust
High-speed
Accurate
Measurement

*Technology for pipeline inspection*

### 6.6.4 Asbestos Surveys

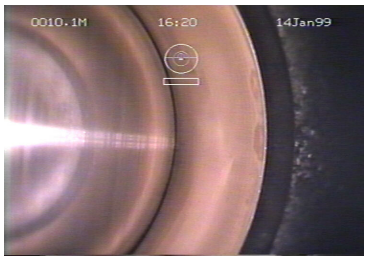
The Asbestos at Work Regulations has been introduced with effect from 21st May 2004. The "duty to manage" asbestos in building regulation makes duty-holders responsible for taking all "reasonable steps" to find any materials in the premises likely to contain asbestos and to check their current condition.

Our qualified surveyors can undertake surveys of buildings either with or without remote visual inspection equipment. The use of RVI tools makes the potential disruption less but can allow hard to access areas be viewed with the minimum of disruption.

### 6.6.5 Project Engineers

Inspectahire has a dedicated and highly skilled team of Project Engineers, each combining to provide experience in:

- Rope access
- Enclosed space access
- Design of inspection spreads
- Equipment operation
- Inspection methods
- Delivery of training




## 6.7. Documentation Support

In today's safety conscience environment, the production of support documentation is critical. Inspectahire has the in-house capability to create all necessary support documentation to aid project execution.
The company is experienced in the preparation of documentation including the following:

- System Design Specifications
- Test Procedures
- Installation Drawings and Procedures
- Operator and Maintainer Instructions
- Feasibility Studies and Trials Reports
- Statements of Work
- FMECA Analysis and Reporting
- Safety and Risk Reporting
- Test and Evaluation Reports
- Service and Repair Instructions

## 7.0 EQUIPMENT

Inspectahire has one of the largest range of Remote Visual Inspection assets within the UK. The pool of equipment boasts the latest inspection technology for harsh environments. With a large customer portfolio and over 20 years of inspection experience, the equipment pool is constantly updated to ensure the correct range of tools is available for any given inspection task. This ensures project efficiency and minimises all aspects of client downtime. 2IC's equipment pool can be split into 5 main categories:

- Video imagescopes to 30m long
- Fibrescopes
- Borescopes to 8 m long
- CCTV – waterproof, explosion proof, intrinsically safe
- Inspection Instrumentation

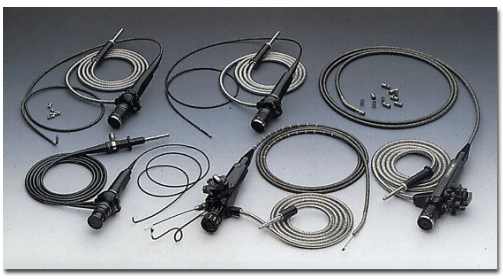
### 7.1. Video imagescopes

Video imagescopes offer state-of-the-art technology for the inspection of pipework, ducting, wall/floor voids and other areas normally inaccessible to the human eye. The key advantage of these devices is a real-time video output. Other feature include:

- Latest CCD technology
- High resolution and real time images
- Illumination via a fibre optic light guide
- Superior flexible imaging
- Compact and portable
- Interchangeable optics
- Differing diameters and lengths
- Video and photographic records
- 4-way angulation for maximum manoeuvrability and scanning

### 7.2. Fibrescopes

Like the videoimagescope, the fibrescope offers state-of-the-art technology for the inspection of voids and enclosed spaces normally inaccessible to the human eye. These are efficient and reliable inspection tools offering the ability to simultaneously inspect wide diameters. Other features include:



- Coherent fibre optic bundle
- Exceptional image quality
- Tapered flexible insertion tube
- Fixed focus
- 2 or 4 way tip angulation
- Interchangeable tips

## 7.3. Borescope

Unlike the other instruments, the borescope is a rigid inspection device. Not relying on fibre-optics but an optical light path which offers bright and clear high resolution images.

Borescopes can be either of fixed length or Modular in construction such that they can be extended.

## 7.4. CCTV

2IC has a wide range of CCTV systems to suit every inspection application. Complementary accessories are also available (Monitors, Video Recorders and PC storage/Processing). 2IC utilises only the latest digital tape storage devices to ensure the highest quality images to form part of the post inspection report. System types include:

- Intrinsically Safe
- Explosive Proof
- Waterproof
- Latest colour CCD devices
- High resolution
- Remote Focus, Zoom, Pan & Tilt
- Integral light heads
- Rod or Tractor deployable

**World Leading Explosion Proof CCD- Zoom Camera**

Ex-EV33: PTB Approval PTB Nr. EX-96.D.1024 signed EEx d IIC T6

**Dimensions**: 96 mm diameter x 155mm length
**Output Device** - 1/3" colour CCD chip**.**
**Resolution**: > 460 TV lines**.**
**Video output**: PAL F-BAS
**Automatic iris and focus.**
**Zoom** : x72**, F=4 to 64.8mm, remote controlled.**
**Standard cable**: EEx – 20 m

**This unit forms part of our range of EEx d rated surveillance and internal void space examination cameras.**

**Full pan & tilt or forward viewing EEx camera / tractor systems are also available for pipeline inspections – laterally or vertically.**

## 7.5. Inspection Instrumentation

Inspectahire also has the following equipment to support any application:

- Pipe & cable locators
- Radio Sondes
- Concrete Testing Equipment
- Optical Telescopes
- Screw Ring & Plug Gauges (4mm to 195mm at various pitches)
- Caliper Vernier up to 72”
- Wellhead Vernier for Ring Grooves 12” and 24”
- External Micrometers 0 to 64”
- External Micrometers 0 to 800mm
- Metascopes
- Pi Gauges
- Ultrasonics
- Pulsed Eddy Current
- Ground Penetrating Radar
- Hardness Gauges
- Laser Scanning
- Laser Surveying
- Robotics
- Fibre Optic Movement Sensors
- GPS
- Sonar

Project durations are minimised and the inspection result improved by the use of the correct equipment. Inspectahire has an extensive equipment pool.

The technicians can also undertake associated activities such as retrievals of debris, or dropped objects. Techniques can include electro – magnets, grabs and for cleaning purposes high pressure water jetting.

## 8.0 EXPERIENCE

Lastly, no company profile would be complete without a list of the projects that have invoked the company's experience. This company profile is no exception. Inspectahire's client base covers all aspects of British Industry. Within the last year, equipment and services have been provided to the following:

- Huntsman Corporation – Explosion proof TV survey of Butadiene tank
- Nacap Lawrence – Pipeline survey – 48" High Pressure Gas main
- Conoco – PIG Receiver CCTV survey
- S & SE – Power station Boiler and Heat Exchanger surveys
- Hydro Electric – CCTV inspection of power station pipework
- Shell Expro. – Meter Prover, Tank & Vessel Surveys
- Sulzer Wood – Underground Fire Main survey
- Manchester City Council – Museum Foundations
- BP Grangemouth – Debris retrieval and plant inspection
- BP Sullom Voe – Boiler pipe inspection, turbines, LPG tanks
- HSBC – Video probe hire
- EarthTec Morrison – DAF tank CCTV surveys, live
- McDermott – Pipe Spool inspection
- First Engineering – Tunnel inspection
- BJ Services – Flexible Oil flowline surveys
- Santa Fe – CCTV inspection of air bottles
- Global Marine – Winch Monitoring
- Transco – Live pipeline surveys & hire of CCTV equipment
- Maersk – FPSO Caisson survey
- Balfour Beatty – Equipment hire for Channel Tunnel upgrade works
- ABB – Bolt retrieval within actuator shaft
- Onyx – Landfill methane vent pipe inspection
- Brown & Root – FPSO oil storage tanks
- Amerada Hess – Receiver survey
- Aberdeenshire Council – Badger sett
- Royal & Sun Alliance – Power Station Boiler surveys
- Keller Ground Engineering – Rock Anchors
- Thomas Cook – Building Survey
- Maersk – Thermography survey of pipe work
- MOD – RVI survey on submarine
- Mowlem – Culvert Surveys

Further details on the above projects can be obtained from the Aberdeen office. In addition, the company has developed a series of Case Study Notes that showcase certain of the inspection projects. Contact the Aberdeen office for copies of these Case Studies.

## 9.0 WHY INSPECTAHIRE?

2IC is the first choice for all inspection tasks. The company is unsurpassed with its level of expertise, equipment pool and technical support. The company has:

- Over 20 years of experience
- Dedicated project teams
- Optimised technical solutions
- Detailed levels of planning
- Extensive equipment pool
- Rental and Monitoring capability
- Utmost priority for Safety

**Don't be in doubt, for further information contact the 2IC office**

**HEAD OFFICE**
**Inspectahire Instrument Co Ltd**
**Unit 11, Whitemyers Business Centre**
**Whitemyers Avenue**
**Aberdeen AB16 6HQ**
**Tel: +44 (0) 1224 789692**
**Fax: +44 (0) 1224 789462**

**E-mail: enquiries@inspectahire.com**
**Web: www.inspectahire.com**

Rochester: 01634 815500