



Environmental Science

Contact Us

Company Brochure

United Kingdom

- i2 Analytical Ltd
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Poland

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UK Sample Reception and Logistics Centres

Doncaster

- i2 Analytical Ltd
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Aylesford

- i2 Analytical Ltd
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About us

Founded in 2003, i2 Analytical Ltd is one of Europe's leading independent multi disciplinary testing companies providing its customers with a comprehensive range of analytical, geotechnical, monitoring and technical support services.

i2 Analytical has one of the most extensive ranges of analytical parameters accredited to the UK Environment Agency's MCERTS (Monitoring Certification Scheme) standard of all laboratories based in the UK.

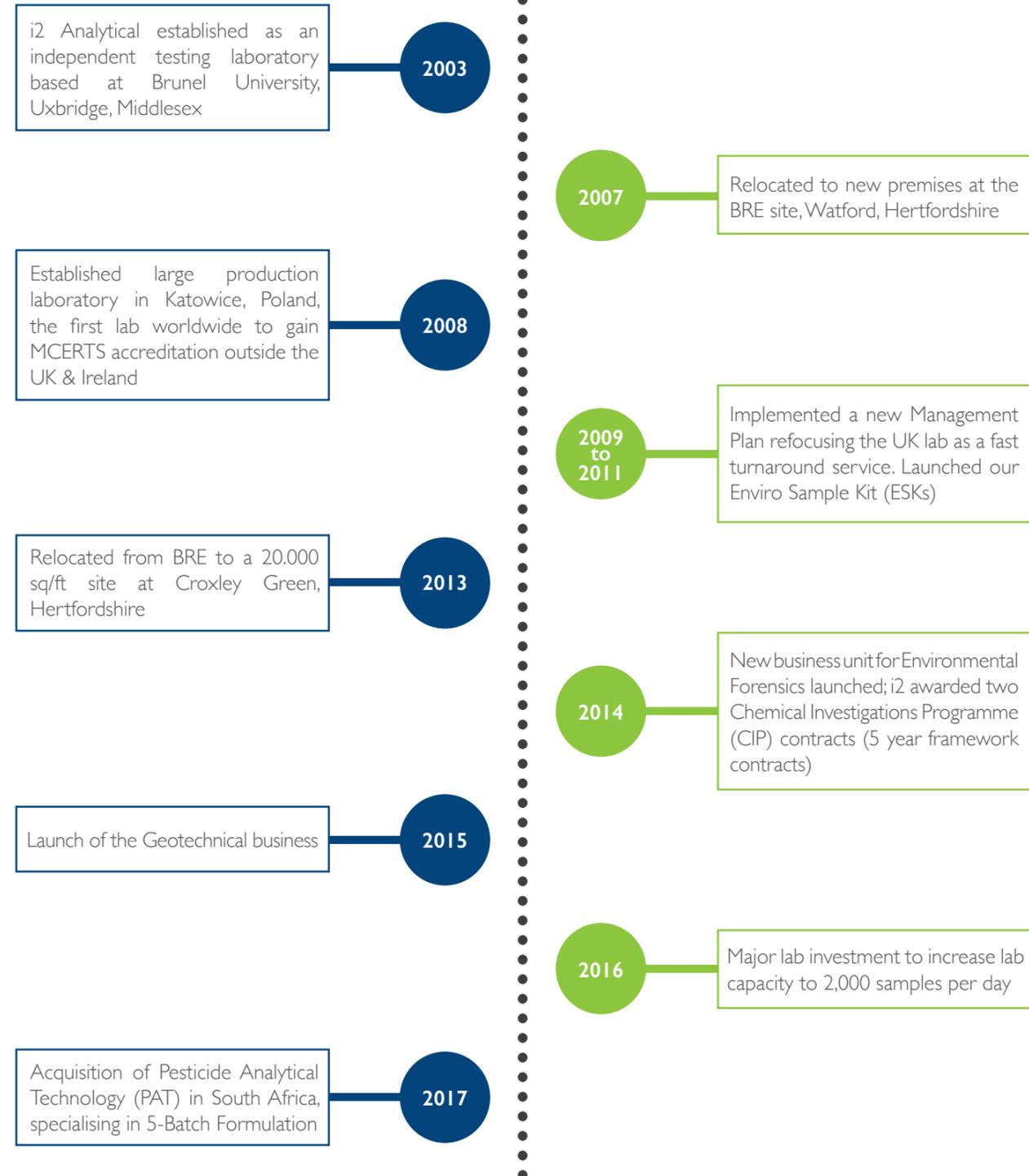
Our Poland laboratory was the first environmental testing laboratory to gain the UK Environmental Agency MCERTS quality standard for testing outside the UK and the Republic of Ireland.

Our Vision

“To be recognised as a leading quality analytical laboratory, offering a broad range of environmental and geotechnical services alongside continuous improvement”.



Company Timeline



Our Hertfordshire Office

Following our successful growth, we moved from our start up premises at Brunel University to the Building Research Establishment (BRE) site in Watford, Hertfordshire. Over the next 5 years as the company continued to expand, larger premises were required and we relocated to a purpose built facility at Croxley Green Business Park, Hertfordshire. Our premises in Hertfordshire have the largest Sample Reception of any environmental testing laboratory in the UK. Our dedicated logistics team deliver samples to our Sample Reception where they are packed and transported to our specialist laboratory in Katowice, Poland.

Our Hertfordshire base has an Environmental Forensics laboratory complex which specialises in the analysis of trace organic pollutants in a huge variety of environmental and other matrices.

From our UKAS and MCERTS accredited laboratories in the UK and Poland we can offer clients over 70,000sq/ft of advanced testing facilities. Our pan European production platform can deliver up to 2,000 samples per day and provides accurate and detailed soil, water, leachate, asbestos and geotechnical analysis.

Our Laboratory in Poland

Our modern, state-of-the-art laboratory in Poland has some of the most advanced equipment in the environmental testing industry. Our highly skilled team of laboratory technicians ensure that sample turnaround is consistently delivered to exceed our client's expectations.



UK Service Centres

Our service centres in the UK act as key points for sample delivery and logistics, enabling us to further our reach and commitment to the UK.

In 2016 we opened our first service centre in Doncaster, South Yorkshire. Our fleet of vehicles and dedicated drivers in Doncaster allow us to service our clients in the North of England. Here we can provide, collections, deliveries and onward transportation from Doncaster to our lab in Croxley Green, Hertfordshire.

As demand for our logistics service grew, in 2017 we expanded our reach and opened service centres in Aylesford, Kent and Northampton, Northamptonshire.

As part of our on-going commitment to service clients locally, we plan to open further service centres in strategic locations in the UK.

Logistics Service

At i2 Analytical we pride ourselves on our unique logistics service. We can offer:

- Large fleet of dedicated i2 vehicles and drivers
- Daily collections and deliveries
- Dedicated logistics line
- Direct point of contact in logistics
- Same day collection
- Same day deliveries
- Samples refrigerated on arrival to laboratory

Analytical Services

Our laboratories have been built to operate on a 24 hour basis, processing large volumes of samples to tight reporting deadlines.

We routinely undertake environmental testing analyses for contaminated land, top soil, borehole and surface water and gas monitoring assessments. In addition, we can also perform soil bio-accessibility testing, WAC testing and leachate analyses. We can accept soil, groundwater, surface water, final sewage effluents, trade effluents, leachates, gases, dust, asbestos and waste material samples for environmental testing.

Environmental Forensics

At our modern purpose built 20,000sq/ft laboratory in Hertfordshire, we have created a unique Environmental Forensics facility specialising in the analysis of trace level of organic pollutants in a huge variety of environmental and other matrices. Our laboratory is equipped with state-of-the-art analytical instrumentation and offers analysis using fully validated methods covering a vast array of organic compounds. The laboratory also offers a bespoke service tailor-made to client's requirements.

In addition we also maintain an advanced R&D facility designed to be reactive to client requests, changes in environmental legislation and the introduction of new products and compounds to the market. Utilising the cutting edge instrumentation available, our team of technical specialists are able to design, develop and implement new analytical methods to meet ever changing requirements.

With two European based laboratories, and with import licenses for control materials and samples, we are able to accept samples, quickly and conveniently, from anywhere in the world. Recent projects have seen us working across the UK, Europe, the Middle East, South America, Asia and South Africa.



Geotechnical and Site Services

Our Geotechnical division first gained UKAS Accreditation in 2015 and provides testing in accordance with British and European standards to provide clients with a high quality service.

As the geotechnical laboratory runs alongside the Environmental and Asbestos departments it is able to draw upon a number of key strengths. We are one of the leading laboratories within the sector to offer both geotechnical and environmental testing from the same facility.

The testing we are able to offer supports a wide range of sectors including GeoEnvironmental consultants, Site investigation contractors, Civil Engineering and landfill construction companies, together with quarried & recycled aggregate (WRAP) producers.

Our laboratory has been set up to be a streamlined process with the emphasis on quality and timely delivery of data. We have invested in the latest technologies available and have fully automated Triaxial and Oedometer equipment with reporting being processed through Keylab 2 which enables seamless production of reports in both PDF and AGS 3.1 or 4.0 formats.

Offering our clients another level of service, our team of i2 Analytical technicians also offer geotechnical site services.

Waste To Energy

The facilities for fuel analysis at i2 Analytical have been configured to meet the high standards demanded by this industry, whilst maintaining the flexibility that supports new innovations in the technologically demanding market.

Types of solid fuel we currently test include:

- Refuse Derived Fuel (RDF)
- Solid Derived Fuel (SDF)
- Biomass

Solid biofuel analyses are performed to meet the requirements of CEN/TC 335 and solid recovered fuel (SRF) analyses are performed meeting the requirements of CEN/TC 343.

Particular care is taken with sample preparation: shredding, quartering, grinding, drying. This ensures that only truly representative aliquots of the non-homogenous and difficult matrix are subjected to test.

Our fuel testing services cover the frequently required parameters:

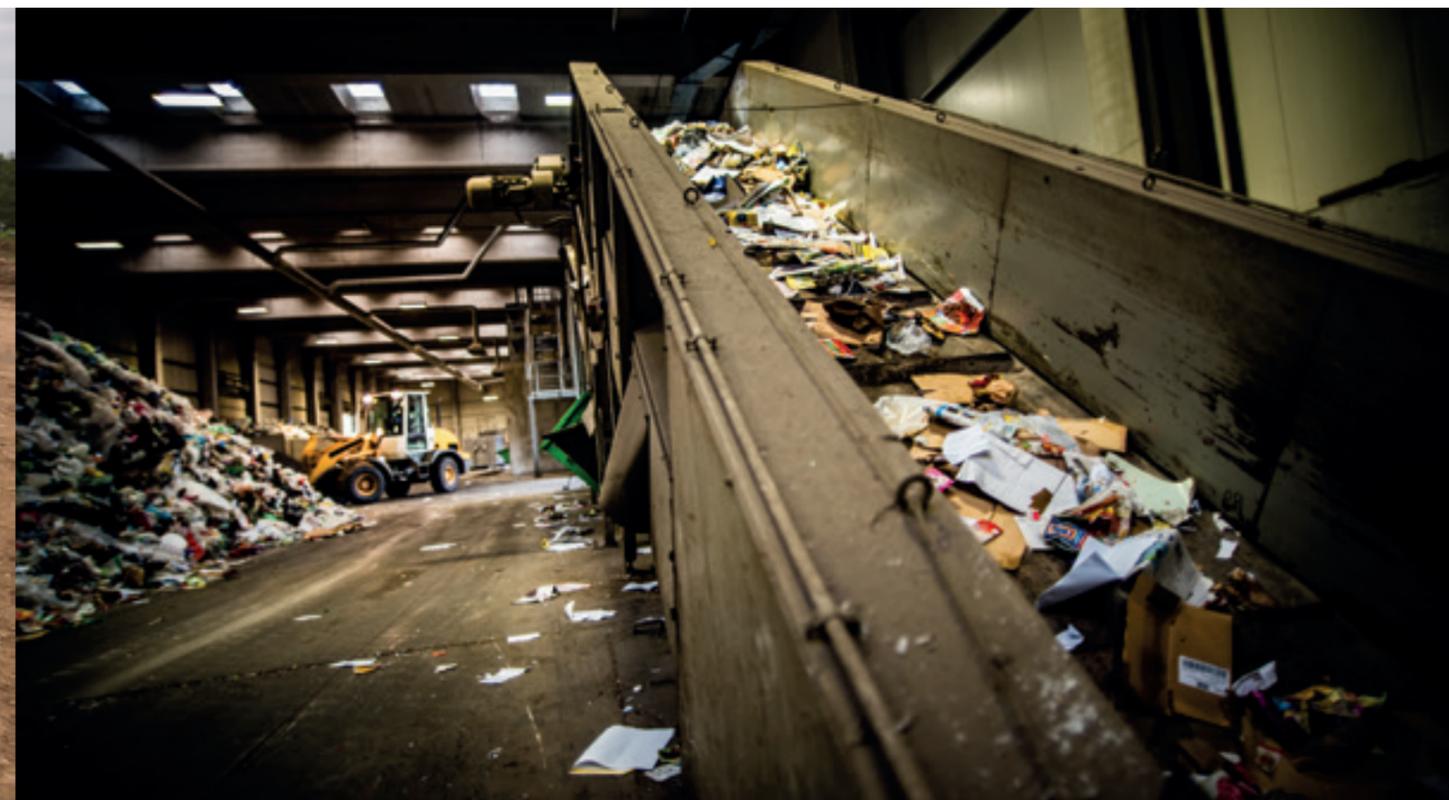
- Moisture Content
- Ash content (BS 15403:2011)
- Gross and Net Calorific Values (BS 15400:2011)
- Sulphur, Chlorine, Fluorine, Bromine (BS 15408:2011)
- Elemental Analysis (BS 15407:2011)
- Major elements (BS 15410:2011)
- Trace Elements (BS 15411:2011)
- Biomass (BS 15440)
- Volatile Matter (BS 15402:2011)

Other Parameters:

- Oil identification and source matching
- Carbon banding
- Qualitative and quantitative analysis
- Density
- Specific gravity

The fuel testing service offered by i2 also includes technical support from highly experienced personnel with a number of years in this fuel testing market.

Due to the ever changing market i2 can also help with specialist testing requirements including development of new methods.



Asbestos Dustiness

Asbestos in soil can be found in a number of forms, bound either in Asbestos Containing Material (ACM), as free fibres or fibre bundles. A standard quantification can tell you the proportional mass of your soil which is asbestos, but it only goes as far in allowing you to judge what kind of a risk that represents.

Our revolutionary UKAS Accredited Asbestos Dustiness method takes a subsample of soil and rotates for a fixed period inside a sealed metal drum as a constant flow of air is passed through the apparatus. The dust generated is blown through a foam filter to remove larger dust fractions. The fibres are then caught on a nitro-cellulose filter which is subjected to fibre counting methodology using Phase Contrast Optical Microscopy (PCOM) as per HSG248.

The number of fibres identified gives us a respirable fibre concentration in fibres/ml of air. Using the concentration of dust collected (mg/m^3) we can correct the fibres/ml air concentration to that at a normalised dust concentration. This allows for better determination of the risks posed by asbestos on site.

Used in conjunction with the Identification and Soil Quantification tests this will give you a much more complete picture of how the asbestos is distributed on your site, what risk it may represent and how to best move forward.

i2 App

The i2 Analytical innovative mobile application has been designed to make using our services even easier, whether on the road, in the field or from the office.

The mobile application is available on android and IOS systems (phone or tablet) and has completely rejuvenated the process of generating Chain of Custody forms.

Enviro Sample Kit (ESK)

Our innovative Enviro Sample Kit (ESK) makes sample transportation easy, convenient and reliable.

With greater emphasis now on 'deviating samples' driven primarily by the Laboratory Committee of European co-operation for Accreditation (EA) with enforcement from UKAS, laboratories now have to follow stricter guidelines when reporting 'deviating samples'.

Enviro sample kits:

- Maintain samples below 8°C
- Can be equipped with a data logger to record the sample temperature over time
- Protect samples during transportation
- Generally require smaller sample volumes



Customer Services

Customer service is always at the forefront of everything we do, from our drivers collecting samples, to delivering high quality analytical data on time and on budget.

At i2, we invest in training our staff to the highest of standards, ensuring that industry knowledge and excellent communication skills are always delivered by our staff. We encourage staff growth and development, providing an atmosphere where people are inspired and motivated.

We have teams of dedicated Accounts Managers and Customer Service Co-ordinators who are always on hand to assist with client enquiries. Our Account Managers ensure the smooth management of client accounts, providing support and guidance. We continually review our processes and services in order to meet our clients' expectations and industry requirements.

We pride ourselves on our efficient report turnaround times. Our client commitment means that we aim to report results as early as possible on the due date, if not before. During 2018, our average delivery of results reported on time was 97%, of which 71% were reported by 2pm.

We regularly request comments and suggestions on our services from our clients. This feedback is very important to us, as it helps us to improve our services to all our clients.

Quality

We are committed to producing accurate and reliable analytical data using methods which utilise the latest instrumentation. We employ known industry standards as published by the International Organisation of Standardisation (ISO), the British Standards Institution (BSI), and the United States Environmental Protection Agency (USEPA).

We operate a rigorously audited quality control system operated to leading industry standards in all aspects of our business to ensure client satisfaction. Our management and quality systems are also rigorously audited by United Kingdom Accreditation Service (UKAS) through annual laboratory visits in both the UK and Poland.

For accreditation purposes, we regularly take part in laboratory Proficiency Testing Schemes. Our overall performance consistently passes with scores of above 90%, regularly achieving 100% successful compliance.

Continuous development and improvement of quality management are pivotal to the continued success of our business. A focus on innovation and the development of new analytical methods will remain a cornerstone of i2 Analytical's operations into the future.

Pricing

We strive to offer the best value service at the most competitive prices in the industry. We continually review our pricing and processes to ensure that the needs and requirements of our clients are met. Our commitment and dedication to providing a service of excellence means that we deliver quality results at the most competitive cost.



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We are ISO17025 and MCERTS accredited for a wide range of analytical parameters.

For more detail or to view our full accreditation, please visit www.i2analytical.com

Testimonials

We pride ourselves on delivering exceptional customer service, and is at the heart of everything we do. We actively seek feedback from our clients and use this information to continuously improve our services. Below is a selection of feedback received from our clients:

“Results always on time with the technical support when I need it. Consistent excellent performance, it’s just not something I worry about when testing with them” – **John Keay, Harrisons**

“We always use i2 Analytical for all our analytical testing needs; we find the service provided meets all our requirements, in terms of accuracy, cost and turnaround. We find all the staff very friendly and helpful on a day to day basis and the whole process from sample collection to delivery of results occurs seamlessly. Equally expert advice/opinion is always on hand when required. We highly value the level of service provided by i2” – **Simon Farr, Envirotreat**

“We have used i2 for the last five years and I have personally found they consistently provide an extremely professional, efficient and proactive service. Regardless of the project size, whether it be large or small, results are always delivered on time. I would recommend i2 to anyone who is looking for a cost effective, professional and time efficient service” – **Mark Hiatt, Nott Group**

International Reach

We are committed to providing our laboratory testing services to all regions of the globe. Our International Reach means wherever in the world our customers are, we are here to look after their interests, providing a comprehensive range of analytical, geotechnical, monitoring and technical support.

Our high level of dedication and client relationship means that no matter where our customers are, we are always here to help.

Our International Reach map highlights just a few of the areas where we have offered our services.

