



Environmental Science

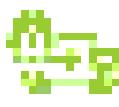
The UK's fastest growing
independent testing laboratory,
servicing customers worldwide



Company
Overview



Quality
Management



Environmental
Management



Health & Safety



Regulatory
Compliance
Assessments



Technical
Services

About i2 Analytical

Founded in 2003, i2 Analytical is one of Europe's fastest growing and most innovative leading independent laboratories, providing customers with comprehensive analytical testing within the environmental, geotechnical, asbestos, occupational hygiene and food testing sectors.

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.

i2's offering is unique in the UK having the most comprehensive range of laboratory services designed especially for ease of use being one laboratory and one supplier with a dedicated point of contact.

We pride ourselves in continuously innovating and driving value for customers by investing in the newest of technologies and instrumentation.

Our service also includes i2's in-house "courier service", we recognised at a very early stage that it is a vital part of our supply chain providing reassurance that your samples will be transported safely and reliably to our laboratory. i2 have the systems, people, equipment and knowledge, with over 17 vehicles around the UK with at least 7 further vehicles in relay transporting samples to our laboratory in Poland.

Our Vision

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



9
locations
across 3
countries

Training Seminars and Webinars

Our i2 team regularly delivers technical seminars to our clients' either in person or using the gotowebinar platform, using the webinar platform is advantageous to our clients as you can include teams from multiple offices in one session, we cover a wide range of topics such as:

- How to work best with the laboratory
- General overview of environmental testing
- PFAS from a laboratory perspective
- Asbestos Testing and Asbestos Dustiness
- Bioaccessibility Testing
- Emerging contaminants
- Leaching – tank tests, upflow percolation
- Waste Classification WM3

Please get in touch with us to arrange a technical presentation for you.



Customer Services

At i2 we want to build a strong strategic partnership with our clients and 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 Key Account Executives, Key Account Managers and Customer Service Advisors who are always on hand to assist with client enquiries. Providing support and guidance, our Key Account Managers ensure the smooth management of client accounts. We continually review our processes and services in order to meet our clients' expectations and industry requirements.

We regularly request comments and suggestions on our services from our clients. This feedback is very important to us, enabling us to continuously maintain and improve our services.

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 rigorously audited by United Accreditation Service (UKAS) through annual laboratory visits both in 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

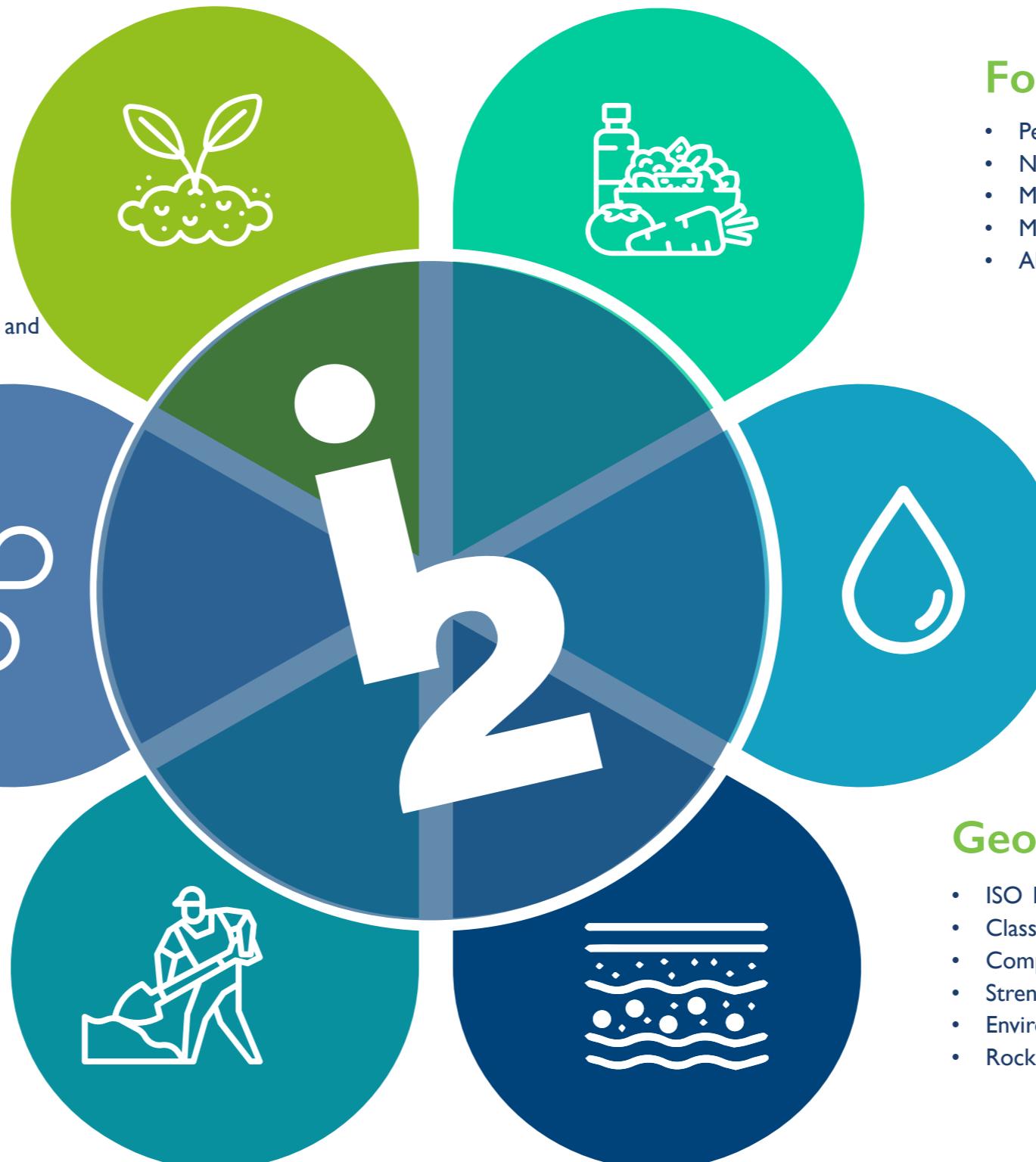
We strive to offer the best valued service at the most competitive prices in the industry. We continually review our pricing and processes to ensure that the needs and requirements of our clients are met. Our commitment and dedication to providing a service of excellence means that we deliver quality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



Our Core Services

Soil

- ISO 17025 & MCERTS accreditation
- Metals, hydrocarbons and inorganics
- Leachates, WAC analysis & Tank testing
- Asbestos and Asbestos Dustiness methods for fibre release
- Specialist hydrocarbon analysis
- BS 3882:2015 Topsoil & BS 8601:2013 Subsoil suites
- Emerging contaminants – WM3 POPs suites and
- PFAS (PFOS/PFOA)
- Loss on ignition



Air

- Indoor air quality
- Occupational hygiene analysis
- Ambient air
- Soil vapour & landfill gas
- Dust deposition
- Emissions from materials

Construction

- Stabilisation & Earthworks testing
- Aggregate testing
- Asphalt testing
- Concrete testing
- Construction materials testing,
- Insitu density, Plate load and CBR testing,
- Fully trained and certified site services team

Food testing

- Pesticides
- Nutrition
- Microbiology
- Mycotoxins
- Allergens

Water

- Extensive ISO 17025 accreditation
- Groundwater, surface water, process water, wastewater and effluent water testing
- Inorganics, organics and hydrocarbons
- Water quality parameters – Including BOD, COD, pH, TSS, Ammonia, Chloride etc
- Extensive pesticide suites
- Microplastics

Geotechnical & Site Services

- ISO 17892/BS 1377 UKAS Accredited
- Classification testing
- Compaction testing
- Strength & Compressibility
- Environmental Monitoring
- Rock testing

Hertfordshire Offices

Boasting an impressive 20,000 sq/ft floorplan, our premises in Watford, Hertfordshire has the largest Sample Reception of any other environmental testing laboratory in the UK. Here, samples are delivered by our dedicated logistics from sites across the UK, scheduled onto our Laboratory Information Management System (LIMS) and packed and transported to our specialist laboratory in Katowice, Poland. Our UK group Customer Services team are based at our offices in Hemel Hempstead, Hertfordshire.



Logistics Service

Providing a reliable service for sample collections and deliveries, i2 Analytical has the logistics capability to support client projects located over 70 postcode regions across England and Scotland (with additional regions available on request).

Averaging 200 sample collections and deliveries daily, i2 can deliver sample containers and air media to offices and sites across the UK, 12 hours per day.



Over
150
UKAS & MCERTS
tests

Europe's
fastest growing
and most
innovative
lab

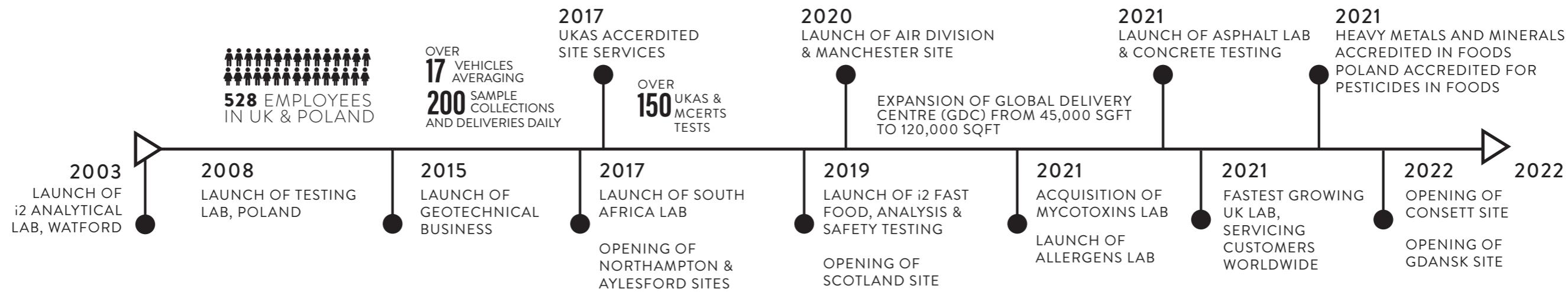
Poland Laboratory

Consistency and reliability are paramount when offering a laboratory service. Our laboratory in Poland has some of the most advanced equipment and instrumentation in the environmental testing industry. Our highly skilled team of laboratory technicians are trained to the highest of standards ensuring that sample deadlines are consistently achieved to meet client expectations. Data is accurate, precise and dependable and tests are validated on matrices that are matched to sample types.

UK Service Centres

Our regional 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. From opening our first service centre in 2019, we now have six locations across the UK including; Watford, Aylesford, Northampton, Manchester, Doncaster and Scotland.

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



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

Reduced Sample Volumes

At i2 we understand that saving time on site is saving money, we use minimal sample volumes for soils and waters which in turn saves sampling time on site. It also reduces chemical use and waste both for samples and the containers and means that there are savings on delivery costs as samples can be transported easily and efficiently.



Analytical Services

Our laboratories have been built to operate on a 24 hour basis, processing large volumes of samples to tight reporting deadlines to support a wide range of sectors across the environmental industry such as GeoEnvironmental consultants, Site Investigation contractors, Water Industry companies, and Waste Management companies.



We routinely undertake environmental testing analysis 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 analysis. We can accept soil, groundwater, surface water, final sewage effluents, trade effluents, leachates, gases, dust, asbestos and waste material samples.

Soil

- Metals, hydrocarbons, VOCs, SVOCs, inorganics
- Leachates, WAC analysis, tank testing
- Asbestos Screen, ID, Bulk ID, Quantifications
- Asbestos Dustiness method for fibre release
- Specialist Hydrocarbon Analysis
- BS 3882:2015 Top Soil Analysis
- BS 8601:2013 Subsoil Suites
- Bioaccessibility Testing
- Emerging Contaminants – WM3 POP Suites, PFAS/PFOA

Water

- Metals, hydrocarbons, VOCs, SVOCs, inorganics
- Water quality parameters inc BOD, COD, pH, TSS, Ammonia, Chloride etc.
- Extensive pesticide and herbicide Suites
- Microplastics



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 of service. As the geotechnical laboratory runs alongside the Environmental and Asbestos department 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.

Our scope of testing includes:

- Aggregate & rock
- Asphalt
- CBR & plate load
- Classification
- Compaction
- Concrete
- Stabilisation
- Strength & compressibility

We support a wide range of sectors including GeoEnvironmental consultants, Site investigation contractors, Civil Engineering and landfill construction companies, together with quarried and recycled aggregate (WRAP) producers. Complementing our wide scope of geotechnical testing, i2 also provides site services across locations throughout the UK.



Asbestos Dustiness Testing

Since its launch and subsequent UKAS accreditation, we have worked with clients and industry groups to look for innovative ways of making use of the unique testing solution we had available. Our goal is, and has always been, to provide a functional tool that can be used in a range of circumstances to help our clients provide realistically modelled data for the benefit of assessing the risk respirable asbestos fibres bring to site.

The analysis is based upon BS15051-2:2013+A1 2016, using a continual drop process generated using a rotating drum method to agitate the sample and mimic disturbance of soil through activity. This is done under a constant air flow of 4l/min to represent approximate inhalation rates for breathing to recreate realistic site conditions.

Respirable fibres are the specific fibre types that have been identified as the most significant risk to human health, as due to their size/shape they can be breathed in and pass to the lower areas of the lung and cause Asbestosis and Mesothelioma. These are long aerodynamic fibres, less than 3µm diameter and 5µm in length (in a length to width ratio of more than 3) that will penetrate to the terminal bronchioles in the gas exchange region of the lungs.

The data provided from the testing allows for better determination of the risk posed by asbestos on site and if 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 at your site, what risk it may represent and how to best move forward as it provides data closer to a real world/site parallel and away from the worst case and in doing so provide our clients with more pragmatic, usable data for accurate risk assessment.



Air Testing

i2 are pleased to be able to offer a more extensive scope of testing than any other commercial laboratory within the UK, currently analysing 98 different types of media across 60 internationally recognised standards for the purpose of collecting and analysing particulate, aerosols and vapours using passive and active sampling approaches.

Specifically we can offer a range of testing supporting:

- Soil vapour and landfill gas assessments using gas bags, sorbent tubes, thermal desorption tubes and canisters
- Workplace air
- Indoor air quality to comply with BREEAM
- Ambient air and boundary monitoring
- Fugitive dust monitoring – hire / sale of dust deposition gauges in addition to the subsequent analysis
- Emissions from materials using microchambers providing a cost effective, rapid and convenient testing for efficient quality control, whilst complying with international standards and methodologies.

All routine analytical tests performed by i2 Analytical are based on MDHS, OSHA and NIOSH, ISO and BS EN methodologies.

i2 are committed to understanding your requirements and delivering a cost effective solution. Technical advice and guidance is routinely provided with regards to the various sampling and analytical options available for any given project whilst taking into consideration:

- Whether active or passive sampling is preferable
- Conditions during sampling – moisture / temperature
- The required limits – reliable quantitation requires a sufficient volume of air to be sampled and a suitable sensitive analytical technique
- Purpose of monitoring – risk assessment, personal H&S, nuisance odour
- Phase of the compounds of interest
- Potential background interferences



For more information
please contact us on
+44 (0)1355 202915
or email scotland@i2analytical.com

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.

Here are a few comments from our clients:

“Results are always on time with technical support when I need it. Consistent excellent performance, it's just not something I worry about when placing testing with them”

“i2 are our preferred partner. Having used a number of other laboratories over 20 years in the business, the service is second to none”

“i2 is so much better than the other labs I've dealt with. Things are typically so easy to get things organised”

“Always helpful and prompt responses”



www.i2analytical.com

UK enquiries contact : +44 (0)1355 202915 or email scotland@i2analytical.com

Company Registration No: 4750390 Vat No: 821097249