

Scientific and analytical  
consultancy services for industry



**Anchem**  
LABORATORIES LIMITED

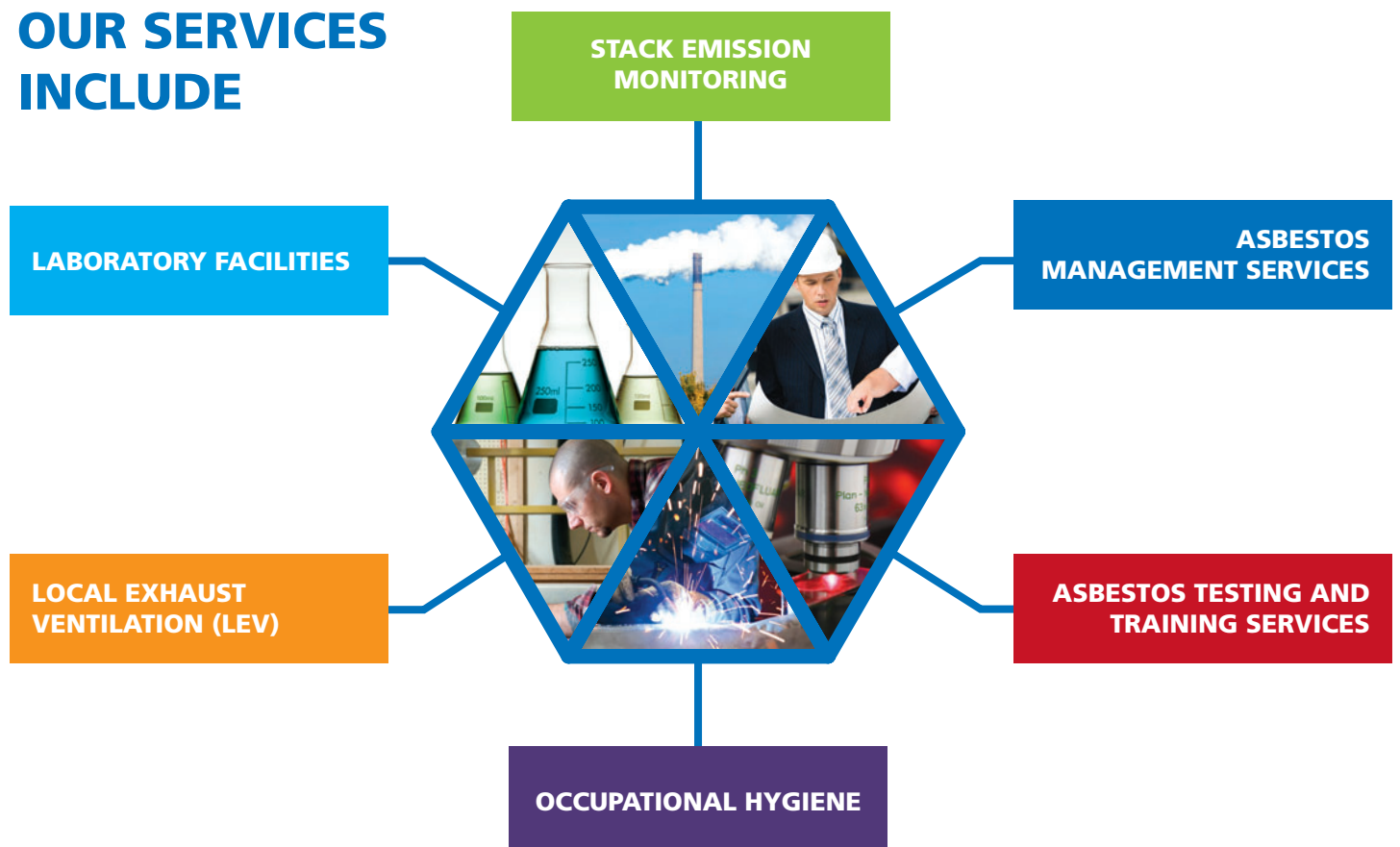
# EXPERTISE ON SITE AND IN THE LABORATORY

Anchem Laboratories is a multi-disciplined accredited Laboratory offering a range of specialised environmental testing, inspection and analytical services.

Over 27 years experience lies behind the Anchem name, which has grown as a result of our high quality service. Our extensive client base is drawn from both the public and private sector and bears witness to our integrity and professional expertise.

It is this proven capability, combined with our comprehensive technical resources and approved systems and protocols that enable us to successfully meet your most challenging environmental demands whether for assessment, monitoring, analytical testing or investigative consultancy.

## OUR SERVICES INCLUDE



# STACK EMISSIONS

Anchem has extensive knowledge and experience of emission testing procedures and the requirements of our customers. We operate fully qualified and experienced stack testing teams dedicated to providing valid and accurate data.



- Extractive Isokinetic sampling and instrumental analysis to current MCERTS methodology
- Heavy metals, mercury, dioxins and furans, PAH's etc.
- Continuous sampling of reactive species HCl, HF and Ammonia by FTIR
- Gases and vapours by manual extractive techniques
- Consultancy on Environment Agency OMA audits
- Compliance monitoring
- Combustion gas analysis NO, NO<sub>2</sub>, N<sub>2</sub>O, SO<sub>2</sub>, CO etc. by FTIR or other standard reference methods
- Members of the Source Testing Association
- UKAS accredited testing
- MCERTS accredited testing
- CEN 14181 activities



# ASBESTOS CONSULTANCY

Anchem have been engaged in asbestos consultancy work since 1984 and we offer a cost effective independent and impartial UKAS asbestos testing and inspection service to all sectors of industry and commerce.

## ASBESTOS MANAGEMENT SERVICES

We are able to assist duty holders at all levels to ensure compliance with the duty to manage asbestos.

**The professional assistance offered includes the following:**

- Building surveying for management purposes as required under regulation 4 of the Control of Asbestos Regulations 2006 and described in HSG264
- Building surveys for refurbishment and demolition purposes as required under CDM regulations and survey guidance HSG264
- Asbestos re-inspections & material condition surveys
- UKAS accreditation to ISO17020
- Asbestos risk assessments
- Provision of asbestos policies and asbestos management plans
- Provision of AAMA Asbestos Management Database Application
- Complete project management for asbestos removals remediation and risk reduction
- Advice & support on managing asbestos

# ASBESTOS TESTING AND TRAINING SERVICES

Asbestos Testing & Training performs a vital role in the management of asbestos. Accurate testing and robust training of personnel enables duty holders to reduce the risk from asbestos and accidental asbestos exposure.

## ASBESTOS TESTING AND TRAINING SERVICES

Asbestos Testing & Monitoring Programmes can be provided to meet client's specifications and provide project support, including air testing, material testing, advice & consultancy.

- Asbestos material sampling & testing
- Bulk material water absorption testing
- Air sampling, fibre counting & 4-Stage Clearance Testing
- UKAS accreditation to ISO17025 for airborne fibre sampling, fibre counting, asbestos material sampling and polarised light testing of asbestos in materials
- Provision of fully qualified and experienced staff including Certified Competent Persons CCP(Asbestos) and British Occupational Hygiene Society (BOHS) Proficiency Module holders for all of the various asbestos disciplines
- Participation in external proficiency QC schemes RICE & AIMS

**Regulation 10 of the Control of Asbestos regulations 2006 enforces duties to provide asbestos awareness training for maintenance refurbishment or demolition workers. We can present standardised or customised asbestos awareness training packages for your selected staff.**

- Asbestos training – including asbestos awareness, asbestos sampling, tool box talks etc
- Commissioned training – including customized asbestos training and information presentations to the client's specifications





## OCCUPATIONAL HYGIENE

Anchem has undertaken a wide variety of occupational hygiene monitoring and assessments for over 25 years. This has enabled the division to gain respect and significant experience within the industrial and private sector.

- Airborne dust – inhalable and respirable fractions, quartz, cristobalite and airborne particulates derived from grinding, drilling, cutting etc.
- Lead in air for compliance with the Control of Lead at Work Regulations
- Airborne species for comparison to HSE publication – EH40 Workplace Exposure Limits (WEL) for determinands such as zinc, cadmium, chromium, volatiles from paint spraying operations and isocyanates
- Noise assessments – to include octave band analysis for hearing protection suitability, personal exposures for compliance with Control of Noise at Work Regulations 2005
- Vibration exposure assessments
- Weld fume assessments to include elemental analyses & ozone
- Rubber fume, wood dust & oil mist
- Machine Made Mineral Fibres (MMMMF), phase contrast microscopy & gravimetric determinations
- COSHH assessments - from workplace atmosphere sampling to full impact reports
- “Sick Building Syndrome” investigations to include temperature and humidity profiles
- Methodologies include MDHS, NIOSH & OSHA etc.
- Degradation products and fumes from polymers and curing oven systems



# LOCAL EXHAUST VENTILATION (LEV) TESTING & INSPECTION

The function of LEV systems is to capture pollutants at source and control exposure

The COSHH Regulations impose a duty to ensure that all LEV systems must be inspected & tested by a competent person at least every 14 months.

- LEV inspections as required under COSHH regulation 9 'Maintenance Examination & Testing of Control Measures'
- Inspections in accordance with HSG258 "Controlling airborne contaminants at work"
- Capture velocities, face velocities, duct (transport) velocities & static pressure readings
- Thorough examination of all system parts for wear & tear. Solid ductwork, flexi hoses, seals, dampers
- Examination of full enclosures (containment), partial enclosures (spray booths, fume cupboards), receiver hoods (grinding, canopy), capture hoods (welding, soldering, lip extraction, downdraught tables)
- Checks on abatements – fans, filters, wet arrestors, self cleaning systems (shake down, air jet pulse)
- Comparison of data with commissioning reports, user manuals, logbooks or previous test reports

## LABORATORY FACILITIES

Anchem undertakes a wide variety of analytical testing using an extensive array of chemical and instrumental techniques.



These capabilities allow us to act as a natural extension of a client's own quality control department. Anchem can also carry out specialist investigative consultancy work for individual projects.

### Organic analysis

- FTIR (Fourier Transform Infra-Red Spectroscopy)
- UV-Vis (Ultra-Violet / Visible Spectrophotometry)

### Inorganic analysis

- AAS (Atomic Absorption Spectrophotometry) - Determination of heavy metals at trace levels
- Hydride and cold vapour generation determination of Mercury, Selenium and Arsenic to part per billion (ppb) levels

### Quantitative and qualitative analysis

- Electrometric methods (pH, conductivity, Ion Selective Electrode)
- Gravimetric methods
- Volumetric techniques

### Waters

- Mains and Private Supply drinking waters to relevant guidance notes
- Effluent analysis for discharge consent limits for compliance purposes
- Leachate testing of landfill sites
- Oil by FTIR

### Soils and associated materials

- Determination of heavy metals to trace levels
- Oil by FTIR



Anchem Laboratories Limited  
D'Arcy Business Park, D'Arcy Way  
Llandarcy, Neath SA10 6EJ  
**Tel** 01792 323223  
**Fax** 01792 323236  
**e-mail** [info@anchem.co.uk](mailto:info@anchem.co.uk)  
**www.anchem.co.uk**



0165



0934



**MERTS**  
THE ENVIRONMENT AGENCY'S  
MEMBER CERTIFICATION SCHEME