

# Scientifics' Transformation to Environmental Scientifics Group

Noelyn Allen

Scientifics' association with Rail Industry started with worlds first railway laboratory established in Crewe -1864.

Providing technical and scientific support to regional locomotive works at Glasgow, Derby, Doncaster, Crewe, Eastleigh, Swindon.

# Swindon Rail Laboratory



‘Railway Chemists’ provided testing of coal, lubricants, metallurgy, paints, fuels, advice on the use of chemicals and many other types of investigation.

Part of British Rail Research Organisation until privatisation in 1996.

## Scientifics Limited 1996

### Original staff still employed in Scientifics

David Gough	Operations Director Compliance Division
Jonathan Harries	Business Manager Environment
Ian Douglas	Occupational Hygiene Team Leader
Bill Halkett	Occupational Hygienist
Dale Green	Business Manager Oils
Chris Harrison	Business Manager Analytical
Arne Bale	Team Leader Transport Dangerous Goods
Fiona Coope	Business Manager Forensics
Steve Lacey Hatton	Laboratory Manager Transformer Oils

## Original clients

Railtrack (1994)

British Rail Infrastructure Services (BRIS) 1994

Great Western Trains

South West Trains

TOCs and other new railway companies formed out of BR privatisation

97% of original clients are still clients today

.

# Some of our Rail Industry Clients today



southeastern.

SIEMENS

 carillion

london midland

 METRONET

Network Rail



Balfour Beatty



ALSTOM

 ARRIVA Trains Wales  
Trenau Arriva Cymru

serco

HITACHI  
Inspire the Next

 SISK  
CONTRACTORS

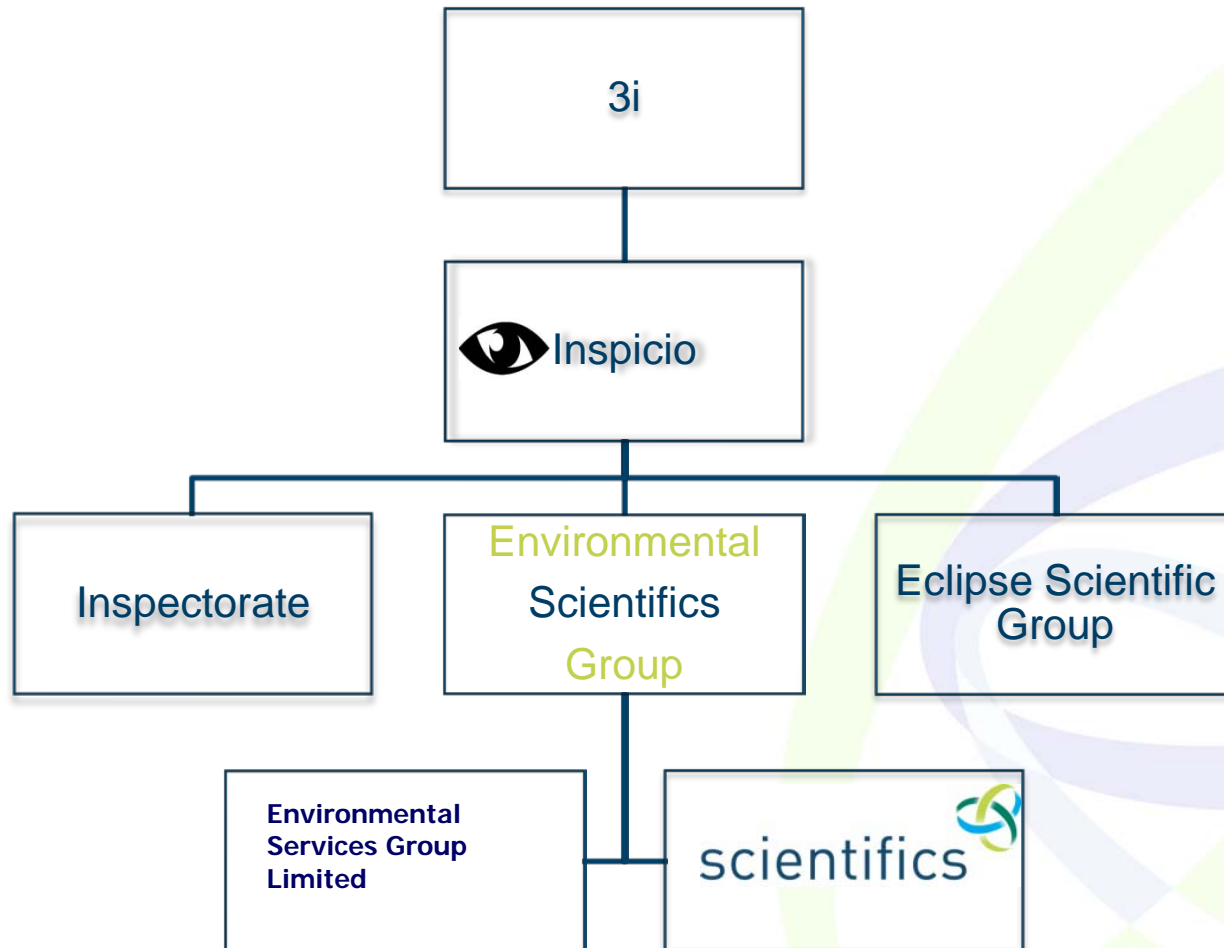
 Tube Lines

 LOROL  
LONDON OVERGROUND  
RAIL OPERATIONS LTD

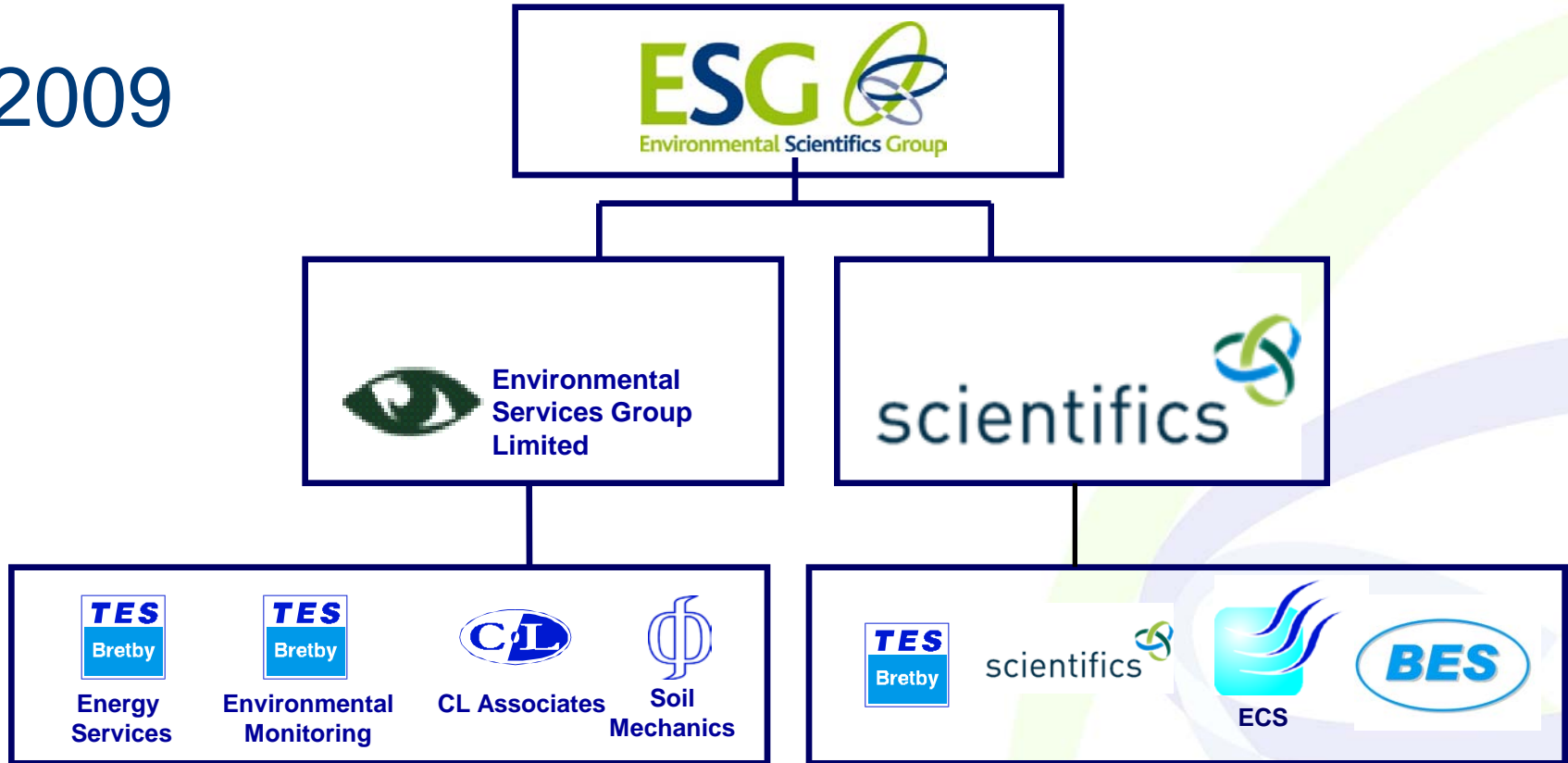
First   
transforming travel

 DB SCHENKER

2005



2009



May 2010



## Key Information

Over 1300 Employees

National capability through 34 regional offices

Turnover £85 million

Part of £350 million Inspicio group

## Holders of the following Accreditations

UKAS Testing

UKAS Inspection

UKAS SGS Quality Management

MCERTS

GLP

BS EN ISO 9001:2000

BS EN ISO 14001

BS EN ISO 9002

ISO 17025

Environmental Scientifics Group is the UK's leading company in Environmental Compliance covering inspection, testing and advice and offering customers an unrivalled range of technical expertise and accredited services.

## Experts in Environmental Compliance

offering

Inspection

Testing

Advice

in

Geotechnical  
Services

Laboratory and  
Analytical Services

Safety Compliance

Materials Testing

Delivered through

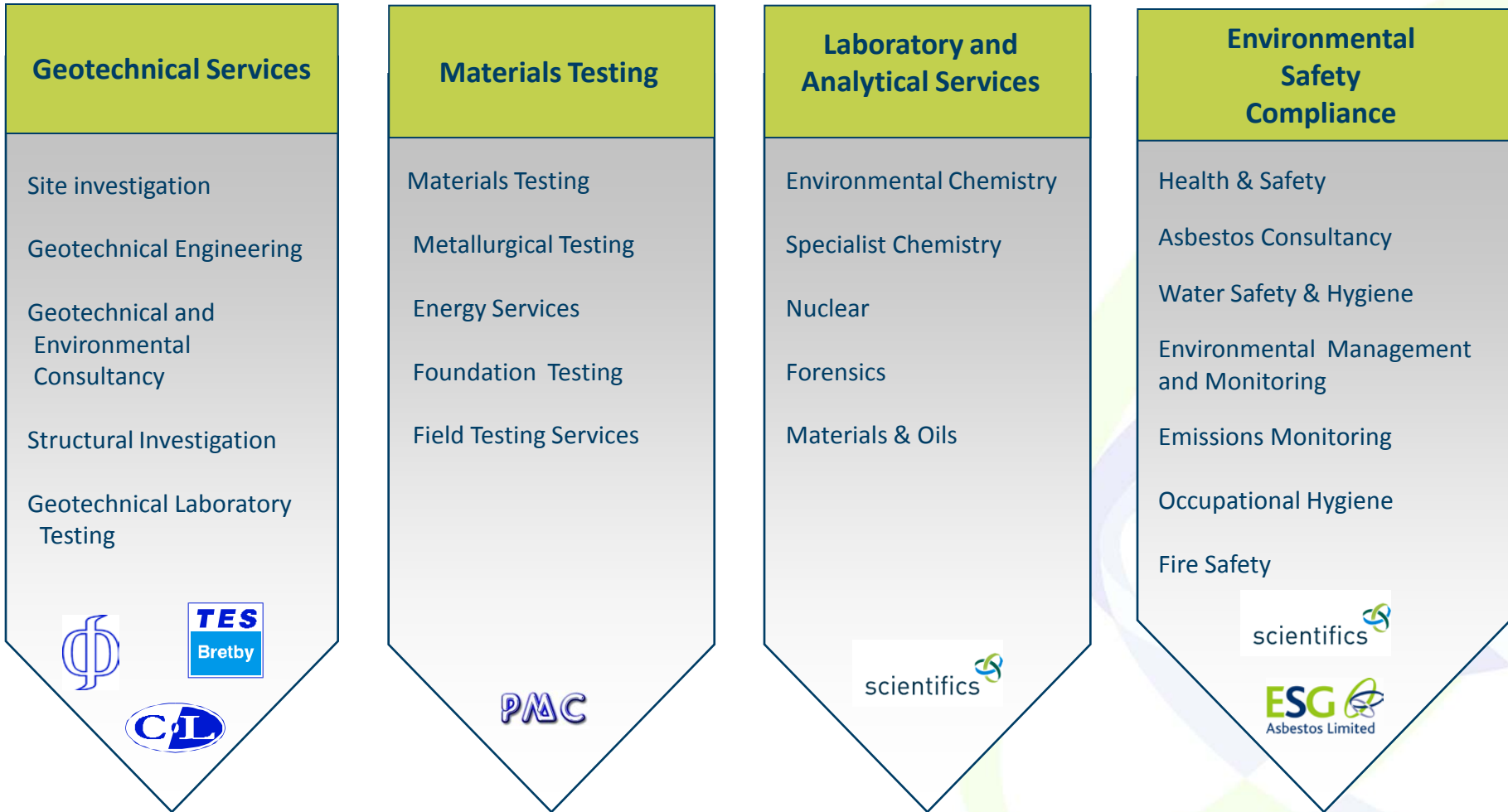
Nationwide network of accredited test laboratories and leading business brands

Supported by

Unrivalled customer service, innovative solutions  
and a commitment to continual improvement

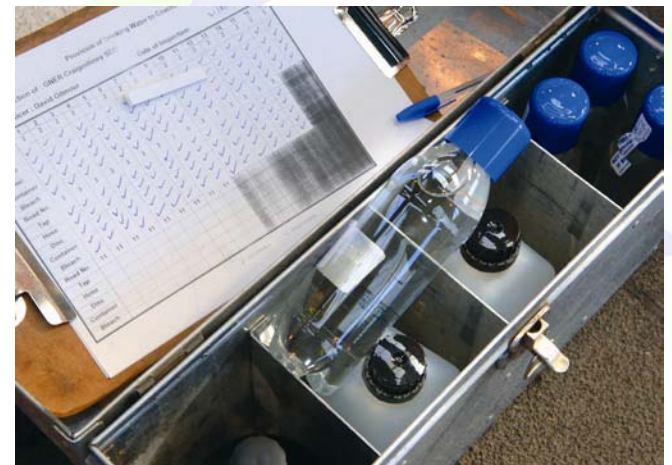
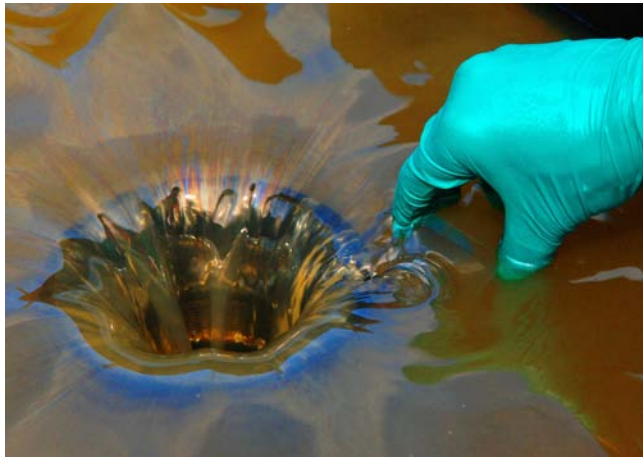
Expert employees, technical consultancy and  
support

# Group Structure



The UK's leading Company in Environmental Inspection, Testing and Consultancy.

An Inspicio Group Company



## Environmental Monitoring

A comprehensive range of environmental monitoring services to help achieve compliance with environmental regulations.

- Effluent Discharge Monitoring,
- Consultancy & Drainage Surveys
- Environmental Noise Monitoring and Modelling
- Pollution Incident Investigation
- Environmental Compliance Audits
- Air Pollution Monitoring and Assessment
- Dangerous Goods Safety Advice (DGSA)
- Ground Water Sampling and Analysis / Borehole Monitoring

## Contaminated Land Investigation

Offering a broad spectrum of services for the investigation and assessment of sites

- Historical Review
- Site Survey
- Intrusive Site Investigation
- Chemical Analysis
- Identification of Hazardous Materials (PCB, Asbestos, Radioactive Waste)
- Waste Disposal Advice
- Remediation Advice
- Ground Water Sampling and Advice
- WAC Testing

## Water Safety, Hygiene & Treatment

Inspection, sampling and monitoring of water systems.

- Legionella Risk Assessments and Management Plans
- Monitoring of Drinking Water Supplied to Rail Vehicles
- Sampling and Bacteriological Analysis of Drinking Waters, Washroom Showers and Tank Fed Water Supplies
- Electronic Management Systems
- Legionella Awareness Training
- Provision of “Competent Person”
- Sampling and Analysis of Softened Water, De-ionised Water and Boiler Re-circulating Water

## Asbestos Management and Consultancy

- Surveys to identify Asbestos Containing Materials
- UKAS accredited Sample Analysis of Materials,
- Inspection and Airborne Fibre Monitoring, Reassurance Inspections, Air Quality Monitoring, Personal and 4 Stage Clearance Testing, Certificates of Reoccupation
- Statutory Re-inspections
- Asbestos Management Procedures and Systems
- Policies, Management Plans and Audits
- Removal Project Management including Specifications,
- Tendering and On-site Supervision and Monitoring
- Asbestos Awareness Training

## Occupational Hygiene

A comprehensive range of on-site measurement and monitoring techniques, together with consultancy on control strategies, problem solving and interpretation of legislation carried out by experienced Occupational Hygienists.

- Personal Noise and Vibration Monitoring
- COSHH Assessments, Audits and Training
- Dust and Fume Monitoring
- Diesel Exhaust Fumes and Particulate / PM10 Monitoring
- Anthrax Identification and Management
- Radiological Protection, Advice and Analysis
- LEV Testing

## Structures, Signals and Trackbed and Rolling Stock Maintenance

- Railhead Contaminant Investigation
- Supply and Analysis of Railhead Swabs
- Trackbed Investigation
- Soil Mechanics and Slope Stability
- Ballast Quality Testing
- Concrete Testing
- Metallurgical Investigation of Rail and Sleepers
- Optical Signalling Equipment Design, Testing, Standards and Specification
- Train Cleaning- Materials Assessment Approval
- Carriage Wash Performance Audits
- Asbestos Surveys of Rolling Stock
- Paints, Corrosion and Livery Testing
- Fire Testing and Technology

## Oil Condition Monitoring

- Chemical, Physical and Microbiological Analysis of Fuel / Engine Oil
- Fault Gas Analysis for Transformers
- PCB Analysis
- Analysis of Wear Metals and Additives
- Expert Interpretation of Results
- Web-based Management Systems using “Trakka” software
- Provision of Sample Collection Materials

## Drug, Alcohol and Forensic Services

Experienced Forensic Scientists conduct a range of UKAS accredited forensic investigations in accordance with British Transport Police and other investigatory bodies as well as fast and confidential drug and alcohol services.

- Examination of Scenes of Crime Items eg Glass, Paint, Tool Mark Analysis
- Fire and Arson Investigation
- Examination of Drug-taking Paraphernalia
- Analysis of Solid Drugs
- UKAS Accredited EMIT Screen with GCMS Inclusive Confirmation
- Toxicological Interpretation of Positive Results
- Expert Witness Services

## Health, Safety and Fire Consultancy

Services provided by Environmental Health Professionals to support compliance within workplace Health & Safety legislation

- Corporate Compliance Audit to review existing arrangements
- Health and Safety Policies and Management Systems
- Risk Assessments – general or hazard specific
- Corporate Risk Management Consultancy
- CDM Coordinator
- Site based Compliance Audits
- Provision of a “Competent Person”
- Health & Safety Training Courses
- Fire Risk Assessment - Regulatory Reform Order 2005 and PAS 79

# Swindon Laboratory 2010



# ESG House Laboratory 2010

