

**CQA INTERNATIONAL LIMITED**

**CQA**



**ENVIRONMENTAL ENGINEERS**

Corporate  
Qualifications  
and Experience



## CQA International

A highly personal service from global engineering specialists



**CQA International Ltd**  
**Experienced consultants, engineers, geologists, environmental scientists and QA/QC technicians**

CQA was established in 1993 and now operates throughout the world, with offices in the UK and Azerbaijan.

Our team of 30 have been carefully selected to give us a breadth of experience across multiple engineering disciplines, providing us with both the technical expertise and practical ability necessary to focus on clients' requirements and to consistently understand and solve their problems.

We have a wealth of varied and diverse experience that includes the design and construction of mining infrastructure, EU compliant landfills, waste management and recycling, composting and incineration, and have worked with major waste management corporations, oil companies,

government organisations, mining companies plus projects funded by the EU and World Bank.

We're proud of the highly personal service we provide, and we know how highly that's valued by our clients. Our senior team works on each and every project, spending time getting the detail right, perfecting everything to make sure the end result meets the brief exactly.



Our Experience	Waste Management	Natural Resources	Environmental Remediation	Construction Projects	Energy
Feasibility & Planning Studies	✓	✓	✓	✓	✓
Environmental Studies & Monitoring	✓	✓	✓		✓
Conceptual & Detailed Design	✓	✓	✓	✓	✓
Planning & Permitting	✓	✓	✓	✓	✓
Contract Management & Supervision	✓	✓	✓	✓	✓
QA/QC & Compliance Verification	✓	✓	✓	✓	✓
Operational Assistance	✓		✓		✓
Procurement	✓		✓	✓	✓



**200 projects, 50 clients, 20 countries**  
**Our client experience spans the globe, and we've delivered successful projects to each and every one.**

CQA International has maintained strong performance and growth during recent years. The company is a safe partner, with stable resources and finances.

It is up to date with statutory responsibilities and holds all necessary insurances for its business activities.

Contact us to discuss how we can help to implement pragmatic and cost-effective approaches to your projects.

Mining Water Resources  
Waste Management  
Geotechnical Engineering Landfill  
Environmental Remediation  
Energy

**Our worldwide clients include:**

- AGRIFOR Consult SA
- AT Geotech
- Azerbaijan International Operating Company
- Burlington Resources
- BP
- CH2M Hill
- Cory Environmental Ltd
- Currie & Brown
- Dames and Moore
- D K Symes Associates
- ERT Caspian
- Georgian Pipeline Company
- GSE Environmental
- Helsinki Consulting Group
- Hyder International Mining Consultants Ltd
- IDOM Ingenieria Y Consultoria
- Inducon Ltd
- International Mining Consultants Ltd
- James Associates
- Lasmo Oil Ltd
- Lawrence Graham Solicitors
- Mackay and Schnellman
- Ministry of Health of Azerbaijan Republic
- Ministry of Ecology of Azerbaijan
- Montgomery Watson
- Mutawa Trading & General Services
- Norfolk Environmental Waste Services
- O'Callaghan Moran Associates
- Veolia Environmental Services
- Omex Environmental
- Parkhill Reclamation Ltd
- Pioneer Aggregates (UK) Ltd
- Qatar General Petroleum Company
- RJB Mining Ltd
- RMJM Architects
- Rudall Blanchard Associates
- State Oil Company of Azerbaijan
- Tantalum Mining Corporation
- William Boyer and Sons
- White Young Green

### Geotechnical Engineering

#### Geotechnical design for VIP villas in new ski resort development, Azerbaijan.

The development of a new ski resort in the Greater Caucasus mountains involved the development of a range of accommodation facilities. CQA carried out the geotechnical assessment of cliff-top sites for the VIP villas. The work involved engineering geological mapping, supervision of boreholes and laboratory testing, slope stability analyses, derivation of design parameters and recommendations for construction methodology.



### Municipal Waste Management

An EU funded project included the construction supervision of 3 large regional landfill complexes with medical waste autoclave facilities, 2 leachate treatment plants, 10 waste transfer stations and the rehabilitation of 15 old dump sites. CQA provided technical and contract management of the construction contracts in addition to redesigning most facilities to suit actual conditions. CQA also provided input to the institutional strengthening tasks, such as waste collection routing, recycling initiatives and training.



### Environmental Remediation

#### Remediation of mercury contaminated site, Azerbaijan.

Many years of fugitive mercury releases from a chlor-alkali plant had created high levels of contamination in ground and groundwater. CQA designed and implemented a remediation programme to recover metallic mercury, safely dispose of process sludge and reduce mercury levels in water. Technologies involved selective excavation, soil washing, construction of a hazardous waste landfill and batch treatment of water lagoons.



### Geotechnical Engineering

#### Geotechnical study for mine and tailings facility, Russia.

An international mining company was evaluating a prospect in northern Russia. In addition to mineral resources, this involved feasibility studies for pit stability, tailings dam and infrastructure. CQA personnel supervised the geotechnical site investigation during four months of the arctic summer, logging cores, carrying out field testing, correlating Russian and international laboratory test results and preparing a report.



### Waste Management

#### Design and construction of an integrated municipal waste management facility, Romania

New waste management facilities were designed and supervised to support the introduction of an integrated waste management system. These included a new landfill site with leachate treatment, a large indoor composting facility (illustrated) and rehabilitation of an old dump site. In addition to design, procurement assistance and contract management, CQA was involved with operational training, institutional support.



### Environmental Remediation

#### Hydrogeological assessment for oil field development, Pakistan

The development of an oil field in an arid mountain range with folded limestone strata presented potential risks to the sensitive natural water resources. CQA's task was to verify previous studies by making a reconnaissance of the hydrogeological features, including ephemeral streams and ponds, springs and irrigation systems. The work involved the discovery of permanent freshwater ponds in a karstic landscape.





### Landfill Design & Supervision

#### Landfill design, construction supervision & reporting, United Kingdom.

Detailed design of numerous landfill construction and closure projects to EU (UK) standards for large multinational clients. Contract and construction management of multiple simultaneously occurring projects, including QA and compliance reporting.



### Mining

CQA has designed a series of leach pads and lagoons for the extraction of gold from crushed ore. Ground conditions were difficult due to the mountainous terrain, and the designs include mitigation against hazards such as landslip, erosion extreme weather. The company has also designed and supervised a large tailings dam and slurry pipeline. Other mining projects undertaken recently include a stability assessment of an underground mine, a permitting study and assessment of mountain access roads.

### Project Management

#### Health service improvement project, Azerbaijan.

CQA, with its partner Nicorna Healthcare, designed, permitted and supervised the construction of 2 general hospitals and several village hospitals as part of World Bank funded improvements to the health care service. CQA produced full detailed design packages and obtained construction control clearance for the construction. The designs were completely new and highly practical, with attention on ease of use and efficient use of resources.



### Our Resources

A consultancy company's key resources are its personnel



**CQA International's staff comprises 30 highly qualified and experienced engineers, scientists & technicians, with full administrative support.**

**CQA has a low rate of personnel turnover, and so the benefits of previous project experience remain in the company.**

**Complementary services, such as; pipeline hydraulics, health care design and financial resources assessment have been provided by working with carefully selected partners.**

#### **Andrew Leach** **CEO and Senior Consultant**

38 years' experience in mining, waste management and environmental services.

#### **Peter Stevens** **Managing Director**

30 years' in environmental geology, hydrogeology experience and geotechnical engineering.

**Andrew Hall**  
**Director and Regional Manager, Azerbaijan**  
12 years' experience of environmental engineering for mining and remediation projects.

**Darren Bland**  
**Director, General Manager, UK**  
10 years' experience of environmental engineering on waste management and contaminated land projects.

**Robert Stevens**  
**Senior Environmental Engineer**  
25 years' experience of environmental engineering and design in mining, waste management, oil sector and water quality.

**Martin Avery**  
**Manager and Geotechnical Engineer**  
10 years' experience of CQA design surveying on landfill and mining projects.

**Ismail Eyvazov**  
**Senior Engineer**  
40 years' experience in construction engineering in the civil, mining, waste management and oil sectors.

**Vagif Vakhobov**  
**Engineer**  
39 years' experience on construction management in the civil, mining and oil sectors.



## ENVIRONMENTAL ENGINEERS

Practical Environmental Solutions

### CQA International

For a pragmatic and  
cost-effective solution to  
your problem call our team



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**Contact: Darren Bland, Director**  
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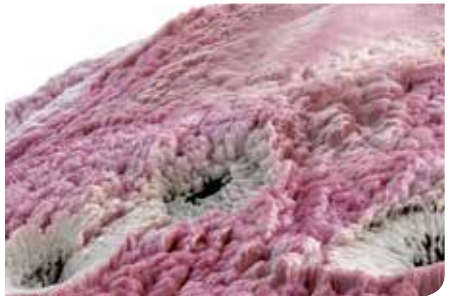
**Contact: Andy Hall,**  
**Director/Regional Manager**  
**Mobile: +994 503 275 519**



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**We will be pleased to provide further  
information such as:**

- Commercially binding proposals
- Expressions of interest
- Detailed project descriptions
- Detailed curricula vitae
- References



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