



## Company Profile

# Welcome

Customer relationships in the cleanroom industry are built on a foundation of quality and service.

For more than 50 years Clean Room Construction Ltd (CRC) has been engineering innovative technical solutions for clients with very different needs from a diverse range of science and technology sectors.

CRC is the most experienced cleanroom design and build specialist in the UK and our team of experts share the company's commitment to quality and service.

We are proud of our reputation as one of the leading specialists in the design, installation, modification and maintenance of cleanrooms and containment facilities and we are determined to continue to build on our success through an unrivalled approach to quality and customer service.

We look forward to understanding your individual cleanroom needs and working with you to find the best solutions for you and your company.




**Steve Lawton**  
Director  
Clean Room Construction Ltd



## Introduction

Clean Room Construction Ltd was established in 1967 and now has the UK's most experienced team of specialists in the design and construction of cleanrooms and containment facilities for science and technology.



We provide initial advice, cleanroom design, construction and installation services as well as modification or refurbishment of existing facilities.

In addition we offer cleanroom commissioning and qualification, validation, maintenance and servicing packages.

Whether you require a large turnkey facility with full mechanical and electrical services, a smaller localised controlled environment or even just some initial advice, we are in business to find tailor-made cleanroom solutions for your business.

Our headquarters are in Kent in the UK but we have an extensive network of experienced technical professionals who we employ as necessary on our UK and overseas projects.

We have also been granted 'Partner' status for the installation of Plasteurop's French modular cleanroom partitioning and ceiling products in the UK ([www.plasteurop.fr](http://www.plasteurop.fr)).

### Our clients

Our clients span the science and technology sectors in the UK and overseas including:

- Containment and laboratories
- Healthcare
- Medical research
- Technology
- Hospitals
- Pharmaceuticals
- General manufacturing
- Universities
- Microelectronics and nanotechnology.

## From Concept...

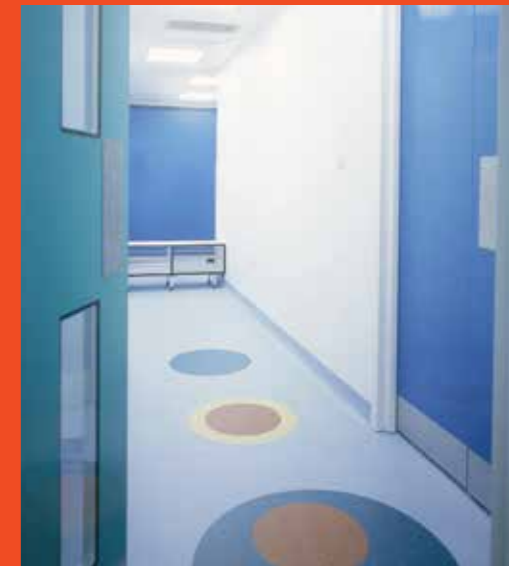
Clean Room Construction believes that working closely with customers from the outset of a project is one of the key reasons for our continuing success in the competitive controlled environment industry.

Many customers work with us from a preliminary design stage which means that we can use our comprehensive experience and expertise to find the best technical solutions for your own particular needs and budget.

### Services:

Our team can provide any or all of the following conceptual services:

- Initial consultations to define the customer and regulatory requirements and to review layout and construction options
- Feasibility studies and reports including budget and timescale details
- Front-end outline designs
- Development and production of Invitation to Tender packages for obtaining competitive quotes
- Evaluation of subsequent quotes
- Production of detailed designs and working drawings (2D and 3D)
- Advice on planning and building regulations issues.



## ...to Design

Controlled environments often have a high density and complexity of services. Our technical staff are experienced building services engineers and so can advise you on HVAC, electrical, piping, control and monitoring systems. And their experience means that we are well-placed to offer expert advice on the selection and application of cleanroom structures and finishes in traditional site-built and contemporary pre-manufactured rapid-build structures.



During these early design stages we make extensive use of our proven in-house drawing department expertise and offer advanced 3D BIM-compliant design capability using the REVIT and AutoCAD platforms. Our experience coupled with the latest design technology enable us to successfully deliver better and faster bespoke designs which meet the specific needs of every individual customer.

**Whatever stage you're at, we have the experience and expertise to help you to develop your concept or design.**

# Construction and Modification

Building cleanrooms and containment facilities is CRC's speciality. We can also modify or refurbish existing facilities even if they haven't been installed by us.

CRC operates from standard forms of building and engineering contracts or from simple purchase orders.

We appoint an experienced project management team for every contract we are awarded. This team will stay on the project from the design development stage through to the successful completion and handover of the facility.

## Project management

Our standard project management team comprises:

- Project director
- Electrical engineer
- Site manager
- Project manager
- CAD engineer
- Project administrator.

One of our three company directors – Steve Lawton, Richard Rowe and Ian Isted – oversees every project. And as all three directors are qualified engineers they take a hands-on approach to ensuring that every contract is a success.

Additional project and CAD engineers can be called in to supplement this standard project management team, depending on the scale of the project. We also have an approved network of subcontractors who operate as an extension of CRC, providing further expertise in areas such as electrical and mechanical installations and cleanroom fit-out.

The office-based team organises design and construction programmes, regular review meetings, the production of drawings, appointment of subcontractors, procurement of materials and the production of technical manuals and records.

The site manager on a project is responsible for applying and monitoring the health and safety plan, setting out, construction progress, quality checks, commissioning, testing and ensuring that the project is handed over fault free. The site manager is responsible for all personnel on site and the work they undertake during construction. CRC takes full responsibility for the conduct, competence and quality of all its personnel on site.

Our project management systems and procedures are second to none and ensure that we execute projects to customers' timescales, budgets and required standards.

## Systems include:

- drawing issue and approval
- procurement scheduling
- change control
- health and safety
- commissioning and validation
- programming
- budget control
- quality control
- progress reports
- operation and maintenance manuals.

# Service and Validation

Regular maintenance programmes result in less downtime which ultimately means increased performance, reliability and lower running costs.

When we have designed and built your cleanroom, that's not the end of the job as far as we're concerned. In fact, when we present you with the final contract handover documentation this usually signals the beginning of a long relationship.

Many of our customers ask us to supply ongoing support in the form of servicing and validation packages. We can also service or recertify any of your existing facilities, including those originally installed by other companies.

We have a dedicated Service and Validation Department, offering the following services:

- Air change rate verification
- Airflow visualisation
- Cleanroom cleaning
- Emergency call-out
- Filter leak testing
- Particle counts
- Room pressure testing and balancing
- Safety cabinet testing
- Airflow testing and regulating
- Cleanliness recovery testing
- Compliance advice
- Fault diagnosis
- Induction leak testing
- Plant modifications
- Routine servicing of all plant/controls
- System reviews.

All certification work is carried out in accordance with BS EN ISO 14644:

- Part 1 (2015) – Classification of air cleanliness
- Part 2 (2015) – Specification for testing and monitoring to prove continued compliance with ISO 14644-1
- Part 3 (2019) – Testing methods
- Part 7 (2004) – Separative devices.

Our fully trained service and validation engineers are Cleanroom Testing and Certification Board (CTCB) accredited.



**Steve Poole**  
Service and Validation Manager

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# Health and Safety

The health and safety of our staff, subcontractors, customers and end users is our top priority.



We take a proactive approach to identifying and avoiding risks and hazards, leading to a culture which is embraced by everyone in our business. CRC has received the Contractors Health and Safety Assessment Scheme (CHAS) accreditation in recognition of our commitment to achieving excellence in health and safety.

CRC has the most experienced specialists in the business and is proud of its health and safety record. All our site managers and project engineers have completed the CITB Site Managers Safety Training Scheme (SMSTS) and have been trained in the Construction (Design and Management) Regulations 2015. They all hold Construction Skills Certification Scheme Senior Manager cards and every employee and approved associate is covered by CRC's comprehensive professional indemnity insurance.

The Construction (Design and Management) Regulations 2015 require all projects to have a written construction phase plan. Where CRC is employed as the principal contractor, we have specific responsibility for planning, managing, monitoring and co-ordinating the construction phase so that health and safety risks are controlled. The CRC site manager on a project is specifically responsible for applying and monitoring the health and safety plan which is devised for every project we undertake.

We also retain the services of a health and safety consultant to ensure we uphold our high standards and keep up-to-date on new legislative requirements and we can also advise clients on their own health and safety responsibilities where necessary.

# The Environment

Clean Room Construction is committed to working in ways which seek to minimise any adverse impact on the environment.

We have achieved ISO 14001 accreditation in recognition of our effective Environmental Management System (EMS). ISO 14001 is the world's leading EMS standard.

We regularly review our policies and practices and are committed to continuously improving in this area through environmental target setting, monitoring and measurement.

We will continue to work to minimise any impact on the environment by:

- complying with all relevant legislation
- promoting awareness of environmental issues
- encouraging sound environmental principles
- reducing wastage by improving operating practices
- using approved contractors to dispose of waste materials and chemicals
- recycling wherever possible
- using innovation to design energy-saving elements into new projects
- continually reviewing and improving our environmental approach.



Cert No.10457-QMS-0001 ISO 9001  
Cert No.10457-EMS-0001 ISO 14001

# Commitment to Quality

Quality, safety and service underpin everything we do at Clean Room Construction.

We employ the very best technical and administrative staff who all share the company's passion for quality and unrivalled service.

We are members of leading industry organisations including:

- British Safety Council
- British Standards Institution
- Institution of Mechanical Engineers
- Scottish Society for Contamination Control

CRC is an ISO 9001 registered company, reinforcing our commitment to operating quality management systems and procedures.



Cert No.10457-QMS-0001 ISO 9001  
Cert No.10457-EMS-0001 ISO 14001



## Quality - guaranteed

Quality is guaranteed with Clean Room Construction. We pride ourselves on designing, building and inspecting cleanroom facilities to the highest standards and offer all our customers a materials and workmanship guarantee as standard.

We are also members of all the leading industry organisations and our team of fully trained service and validation engineers are Cleanroom Testing and Certification Board (CTCB) accredited.

We are proud to have achieved accreditation to ISO 9001 and ISO 14001 in recognition of our compliance with industry best practice and our commitment to quality management and environmental management systems.

# A Winning Team

Every member of CRC plays a crucial role in our company's success and in maintaining our reputation as the UK's most experienced cleanroom specialists.

We have highly experienced project managers and site managers, some of the best technical and design engineers in the business, an experienced service and validation department and a dedicated administrative back-up team.

Our three directors have more than 85 years' shared experience of working at CRC. They all joined the company as engineers and they continue to take a hands-on approach in addition to their day-to-day management and strategic roles.

## Directors



**Steve Lawton**  
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**Richard Rowe**  
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**Ian Isted**  
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# Contact Us

You can find out more about our services and experience at [www.crc-ltd.co.uk](http://www.crc-ltd.co.uk)

If you wish to have a preliminary discussion with us about a current or future project please contact us:

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### Clean Room Construction Ltd

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# Our Customers

Clean Room Construction has been designing and building cleanrooms and containment facilities for more than 50 years. Our client base spans the science and technology sectors and includes blue chip companies, leading universities, world class hospitals and leading edge pharmaceutical, manufacturing and hi-tech organisations.

These are just a few of the clients we are proud to have worked with:

Addenbrooke's Hospital	National Graphene Institute
Advanced Medical Solutions	Novartis Vaccines
Aspar Pharmaceuticals	Plastic Logic
BAM Construction	Plastique
Brighton and Sussex University Hospitals NHS Trust	Protherics
Cambridge Display Technology	Qiagen
Chiron Vaccines	Quotient Bioresearch
CIT Technology	RAL Space
Clinovia	Reproductive Health Group
Cobra Biologics	Rolls-Royce
Defra	Royal Holloway, University of London
DePuy	Shield Medicare
De Soutter Medical	Strathclyde University
Dyson Technologies	The Austin Company
e2v	Thornton & Ross
Exitech Ltd	University of Aberdeen
GE Aviation	University of Bristol
Guy's Hospital London	University of Cambridge
Health Protection Agency	University College Hospital
ISG plc	University of Exeter
JDS Uniphase	University of Glasgow
Kernow Coatings	University of Leeds
Kettering General Hospital	University of Manchester
Laing O'Rourke	University of Newcastle
Lancaster University	University of Oxford
Merial Animal Health	University of Strathclyde
Meria GTx	University of Surrey
Murex Biotech	Zytronic

We look forward to working with you on your project.

