

MSS

Clean Technology



THE COMPLETE SOLUTION

for
cleanroom
and
controlled environments

enter





MSS

Clean Technology



Your partner for the design, construction and commissioning of controlled environments



contents



- **about us**
- **design capabilities**
- **project management**
- **host building**
- **specialist fit out**
- **mechanical & electrical services**
- **performance testing & validation**
- **contact us**



MSS

Clean Technology



When you need assurance MSS guarantee service and performance



Established in 1982 MSS has a wealth of experience providing innovative design and project execution to the Pharmaceutical, Life Science and related industries.

We provide design, construction, commissioning and validation of Laboratories, Cleanrooms, manufacturing suites and Containment Facilities.

MSS offer a variety of services from consultancy, design engineering, installation of clean enclosures through to full design & build turnkey solutions.

You can choose individual elements of the project to be undertaken by MSS or package any number of elements - the choice is yours.

We endeavour to offer solutions to fit clients required classifications and budgets.

about us



MSS

Clean Technology



When you need assurance MSS guarantee service and performance



Our specialist knowledge and experience in the design and construction of facilities meeting ISO, F&DA, cGMP and the ACDP requirements enables us to provide clients with confidence that each facility will meet the demanding requirements long term.

At MSS our main goal regardless of the size of project is to provide a first class **Service & Guaranteed Delivery** to our clients.

From simple straightforward panel installations to complex turnkey projects, MSS Clean Technology Ltd is committed to working in partnership with our clients, providing a flexible approach to contracting.

We look forward to having the opportunity to work with you in the future.

Paul G. Walters // Managing Director

about us



MSS

Clean Technology



If the controlled environment is critical MSS design team provide unequivocal experience



For over 20 Years MSS have been associated with the innovative yet cost effective design and installation of a wide range of facilities where the environment is critical to the clients operation and business.

The facilities range from Microbiological Laboratories to ACDP category 3 & 4 containment suites, Packaging Halls to Aseptic Suites.

Our understanding of the individual facility requirements is a fundamental area of the experience and service the MSS Design Team can offer. We provide solutions not problems.

Our in House Design Teams include:

Architectural, Electrical, HVAC, Mechanical and CAD Technicians.

MSS provide a consultancy service to review existing HVAC, Chilled Water and associated utilities offering suitable cost effective solutions for upgrades etc.

We also offer inspection, and repair, of existing enclosures for integrity performance.

design capabilities



MSS

Clean Technology



There is no substitute for leadership - MSS take responsibility & control the project delivery



MSS experienced Project Management Team work closely with the Client Team to ensure satisfaction through communication, coordination and delivery.

Project success can only be achieved via team work and a clear understanding of the project requirements, this we endeavour to achieve from the outset of any project. We work with our clients and supply chain in a non adversarial manner with the goal of complete satisfaction for all parties involved in the project.

MSS use in house quality management systems to fulfil the demanding requirements of many of today's projects.

Health and Safety is again a team responsibility and MSS have an enviable record spanning many successful years and projects. This is down to:
Training, Risk Assessments, Safety in Construction and Safety in Operation.

MSS obtained 4* British Safety Council Health and Safety Award.

project management



MSS

Clean Technology



Whether simple or complex buildings MSS endeavour to provide the right option



host building



MSS has provided clients with turnkey projects that include host buildings. We can provide traditional construction methods as well as factory engineered modular buildings.

Utilising this method of build the shell is fabricated in the factory whilst the ground works and drainage are installed on site. As soon as the ground works are complete the building is delivered to site, erected within days, weather tight and ready for the internal fit out to commence immediately.

Facilities MSS have provided include:

- Research Laboratories
- Containment Suites
- Microbiology Laboratories
- Cleanrooms - ISO 7-8
- Offices

Aesthetically pleasing designs and finishes are available to blend in with any surrounding environment and meet strict planning requirements. From design through to hand over can be as quick as 6-12 months (60m² ISO 7 - 275m² - CAT 3/4)



The logo for MSS, consisting of the letters 'MSS' in a bold, white, sans-serif font on a red rectangular background.

Clean Technology



When standards and budgets dictate MSS will find a solution that fits



specialist fit out



MSS provide specialist fit out for Controlled Environment, Cleanroom, laboratory and office facilities.

We have our own ceiling and wall systems that will meet the highest standards and classifications demanded by the Pharmaceutical and Biotechnology Industries. We can provide systems with flush, non particle shedding surfaces, tough maintenance free finishes, long life expectancy and flexibility to allow for facility reconfiguration and relocation.

The systems consist of:

- Walk On / Non Walk On Ceilings
- 50 mm thick Modular Wall System (maximising room space)
- Flush Glazing
- Flush Door Frames
- Choice of Door Leaf finishes - (Stainless Steel / GRP / Steel / Laminate)
- Fixtures, Fittings and Benching

We can also provide cost effective solutions utilising a variety of construction materials for general lower classification areas, laboratories and office areas.

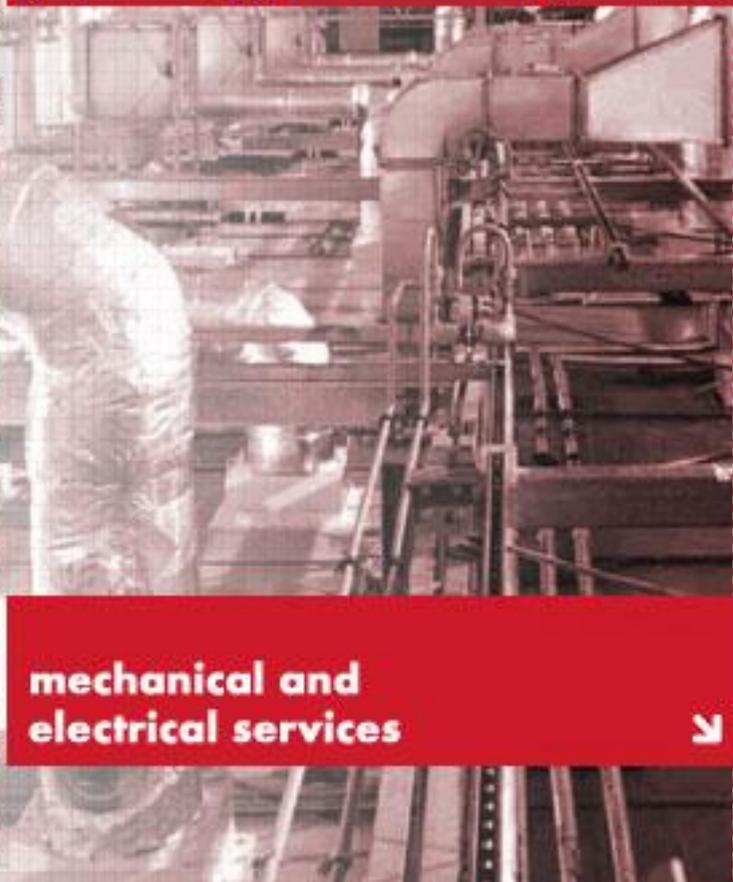


The logo for MSS, consisting of the letters 'MSS' in a bold, white, sans-serif font on a red rectangular background.

Clean Technology



Our skilled personnel provide the driving force behind our innovative solutions



**mechanical and
electrical services**



MSS provide solutions for HVAC, mechanical and electrical installations to a wide range of clients and facilities.

We specialise in the design and installation of containment laboratories meeting the stringent requirements of the Home Office, ACDP Yellow Book and the H&SE Guidelines.

These range from containment level 1 through to the containment level 4.

Our staff have extensive experience in the facility design, cGMP and FDA requirements, commissioning and validation protocols required for the Pharmaceutical and Biotechnology industries.

We also install HVAC systems providing comfort conditions for general laboratories and offices.

Bespoke solutions as well as standard engineering practice are provided when you use MSS for your facility requirements.



MSS

Clean Technology



Tried and tested solutions give our clients piece of mind



**performance testing
and validation**



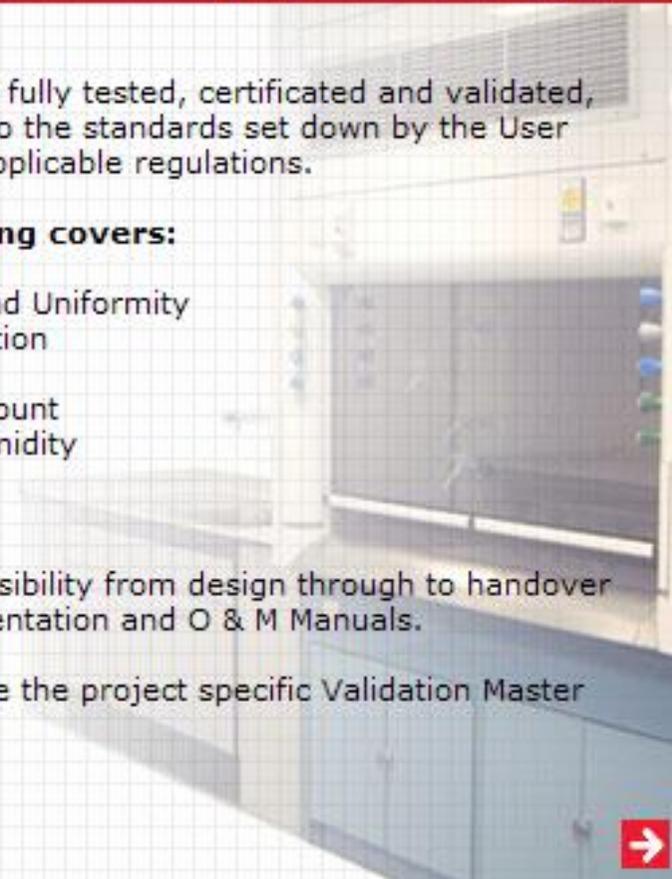
MSS deliver facilities fully tested, certificated and validated, where appropriate, to the standards set down by the User Requirements and applicable regulations.

Performance testing covers:

- Air Flow Velocity and Uniformity
- HEPA Filter Installation
- Induction Leakage
- Airborne Particle Count
- Temperature & Humidity
- Light Levels
- Room Recovery

MSS take full responsibility from design through to handover of all project documentation and O & M Manuals.

MSS can also provide the project specific Validation Master Plan, if required.



MSS

Clean Technology



Please contact us by filling in the form below - we would like to hear from you



contact us



Name //

Position //

Company //

Address //

Tel No //

Fax No //

Email //

How would you like to be contacted?

Tel Email Fax Post

Submit >>





MSS Clean Technology Ltd
Castle House
York Road
Sheriff Hutton
York
YO60 6RZ

Tel: +44 (0) 1347 878877

Fax: +44 (0) 1347 878878

Web: www.mss-ct.co.uk

© MSS Clean Technology 2005

