

Our services:

We offer the following services, regardless of whether it's for a small clean room or for a large-scale project:

- GMP consultancy
- Hygienic design consultancy
- Consultation of all clean room issues and clean room processes issues
- Feasibility studies / preliminary design
- Risk analyses
- User Requirement Specifications
- Clean room designing: concept, basic and detailed engineering and design / right from the start
- Process design and optimization (GEP)
- Designing of material flow, personnel flow and warehousing (GSP)
- Layout designing and hygiene zone concepts
- Designing of the GMP-compliant building equipment -air conditioning, water, gases, electrics, compressed air, vacuum
- Procurement and construction management
- Qualification and validation

Hygienic Design – consultancy in accordance with GMP & EHEDG

The **life science industry** has extremely high requirements concerning the hygienic design of parts from suppliers. We optimize your production processes and your quality assurance system, inform you about your legal obligations and give you **practical recommendations** - we get you and your products into best clean room shape.

We are always there for you!

Request detailed documentation from us today. We will gladly provide you with information, with no obligation and completely free of charge. **Tel. +49 (0)8031 – 80 78 78 0, info@mmi-gmp.de or on www.mmi-gmp.de**

MMI and partners offer a complete range of services for both small-scale and large-scale projects:

- GMP consultancy
- Hygienic design consultancy
- Operation analyses
- Process re-engineering
- Planning the capacity of your facility
- Layout designing for rebuilding, extension or new construction
Feasibility studies; preliminary, basic and detail designs
- Designing of all technology / clean utilities
Ventilation, pure water, sterile water, sterile steam, compressed air, electricity, vacuum, etc.
- Procurement management
- Project and construction management
- Clean room designing in accordance with GMP and FDA directives
- Laboratory planning
- Designing cytostatic drug laboratories
- Logistics designing
Material flow systems, warehousing systems, order-picking systems
- Qualification of your facilities
DQ, IQ, OQ, PQ; carrying out risk analyses, Creating URS and specifications
- Creating URSs, specifications and SOPs
- Validation of your processes and cleaning measures
- Hygiene inspections in accordance with the German VDI 6022 standard
- Clean room measurement in accordance with VDI 2083 and EN ISO 14644 standards
- Occupational safety consultation



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CLEAN ROOM DESIGNING GMP CONSULTATION HYGIENIC DESIGN





Full service package for your clean room. All services from one source.

MMI designs and builds clean rooms for the **pharmaceutical industry, medical technology, biotechnology, microelectronics and pharmacies**. From **mini clean rooms** to **complete factory designing**, we develop customer-specific and GMP-conforming clean room solutions. When designing clean rooms, strict regulatory obligations must be taken into account alongside the flow of processes, materials and personnel. The optimum interplay between all components and specifications leads to efficient and financially-attractive clean room concepts. With our years of experience, we provide quality at low costs.

- ◆ We can advise you on, design and implement your clean room project in an integrated manner: Conversion, expansion and optimization of existing clean rooms as well as new builds
- ◆ Our methodology provides you with **planning security** and audit-compliant results
- ◆ We support you in every issue concerning the **EU GMP Directive**, from technical equipment and facilities to GMP-compliant work clothes and the qualification of your facility.
- ◆ All services from one source reduces the amount of interfaces you have to deal with: **Martin Mayer** is your individual contact partner.
- ◆ Our experience eases and accelerates finding a solution to your problem!

The quality of your products is also important to us as the safety of your employees.



Clean room designing – GMP-compliant and efficient

We determine your specific clean room requirements with the help of detailed operation and risk analyses. Taking legal obligations and technical as well as organisational influences into account, we then develop the **best clean room concept** for you and implement this in a GMP-compliant manner. We coordinate all the work, ensure the seamless development of the project, document all measures and qualify all of your equipment.

Thanks to our **careful and systematic designing methods**, we attain the highest levels of quality and economy. Let the professionals design your clean room - it saves you worrying and it saves you cash!



MMI – your reliable and professional partner

MMI stands for Martin Mayer International Engineering. Martin Mayer worked in the pharmaceutical industry for 16 years before he founded MMI in 1993. His core competencies are consultancy, designing and support of any type of clean room project. Martin Mayer puts together the perfect team for each individual project.



This is how MMI is able to offer a comprehensive full service package: from consultation to implementation, from processes to building equipment, from the CAD plan to qualification. Put your trust in the MMI pros with their expertise and their years of experience.