

THE FASTEST WAY FROM PLANNING TO IMPLEMENTATION.

Think. Work. Integrate.



Quality. Precision. Common sense.

Pitzek GMP Consulting

THE MOST EFFECTIVE WAY TO GOOD MANUFACTURING PRACTICE

Decades of experience in consultancy in pharmacological, biological and food technology marks us out and make us skilled and reliable partners. We deliver innovative ideas and strategies aimed at reducing costs and optimising your processes. In doing so, we place quality as the highest priority. This is the key to successful industrial companies in the global context.





Think.

THE SIMPLEST WAY TO INTERNATIONALLY SUCCESSFUL BUSINESS

Skilled consultation is our business – and your benefit. Pitzek GMP Consulting supports globally active companies in the pharmacological, biological and food industries by making their processes and systems even simpler and more efficient, complying with regulations and meeting demands. This is always based on the most up-to-date specialist knowledge and years of experience.





PROJECT MANAGEMENT/ PLANNING

If you entrust your project management to the experts of Pitzek GMP Consulting, you are guaranteed smooth, simple processes. We have been planning industrial installations in the fields of pharmacology, chemistry and food. We can thus support you in all project phases, from project definition to successful conclusion. Every single one of our consultants has completed an engineering degree – skills that you can rely upon. For you that means comprehensive freeing up of your own resources and high adherence to schedules.

Our services include:

- Definition of project aims
- Setting up project structures
- Definition of milestones
- Resources, schedule and budget planning
- Projectmeetings
- Award of Contract
- Supporting and final documentation
- Management of partial projects
- Management of external suppliers and providers

Work.

THE MOST DIRECT WAY FOR MARKETING YOUR PRODUCTS

Our expert team will support you in planning your GMP-compliant installations using the most up-to-date tools and technologies. On request, we would also be happy to act as Works Lead Engineers for you.



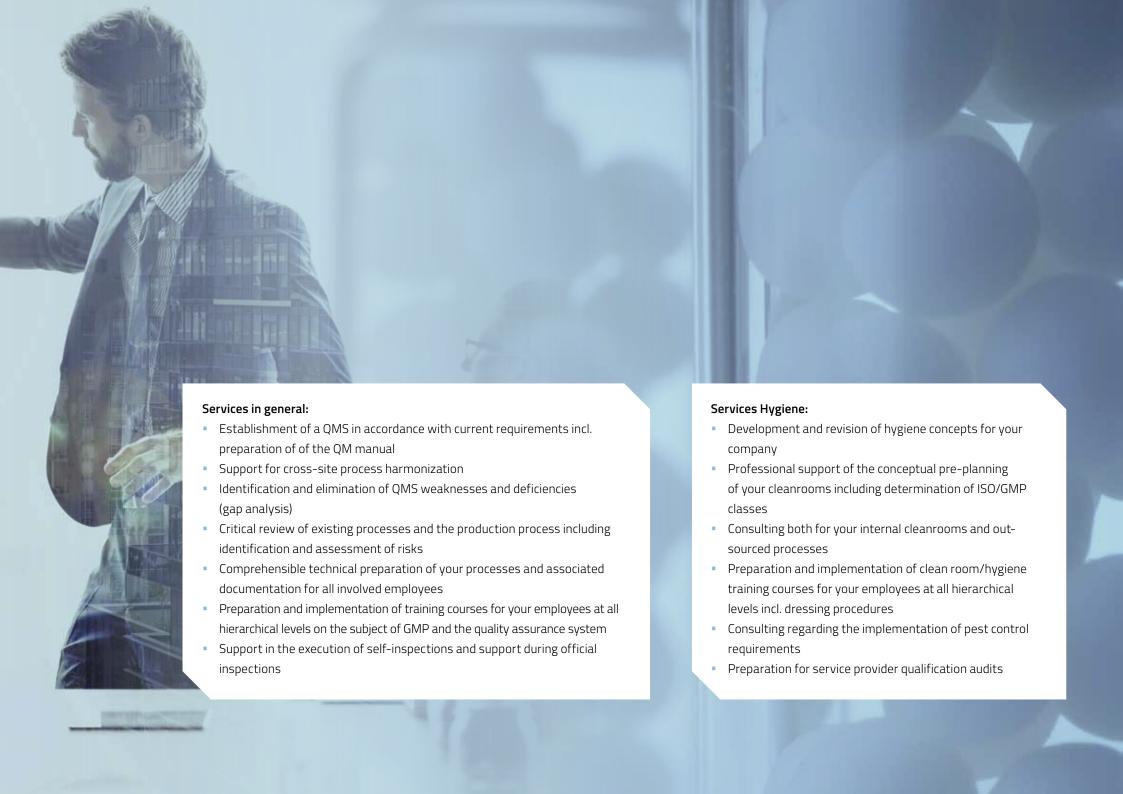
GMP QUALIFICATION / VALIDATION Pitzek GMP Consulting will carry out the complete implementation of GMP-compliant qualification and validation projects, whether that is in the production of pharmaceuticals, active substances, cosmetics or foodstuffs and animal feeds. In this way, our experts contribute to you being able to market your products even faster. Our services include: Creation of a Master Plan Preparation of technical documentation (e.g. User Requirement Specification) Creation of Specifications and lists of Requirements QUALIFICATION **VALIDATION** The highest level of quality assurance is the highest priority Within the process of validation, our specialists will to us as any deviation have a direct influence on the health create a firm foundation for bringing the final product of the consumer. Through our services in comprehensive to the market. This includes confirmation that the qualification, our experts will ensure fault-free functioning of installations/devices have been qualified and deliver installations, product quality and the fulfilment of all binding safe reproduceable results. Processes, cleaning official requirements of the health authorities. systems and IT can be validated. An expert risk assessment forms a basis on which we can carry out a validation plan pursuant to precise regulatory stipulations, (EU-GMP-guidelines, FDA, PIC/S etc.).

Integrate.

THE COMPLETE WAY FROM THE AWARD UNTIL THE ORDER

We have answers to all your GMP relevant questions about your desired measures and the securing production. In doing so, we always pay attention to quality.





Special Competences

THE FASTEST WAY TO RESULTS-ORIENTED PERFORMANCE

Our experts have extensive industry practice in international projects and all areas of GMP. Permanent qualification of employees ensures, that our experts are always up-to-date in technologies, project management as well as legal requirements.



TECHNOLOGY TRANSFER

A technology transfer is what happens when a pharmaceutical company wants to move from an existing production site to a new production site.

Tech-Transfer in the pharmaceutical industry means more than copy & paste!

There are often reasons to move an existing product to another location or to build additional capacity. Most people talk about "copying the existing assets and processes".

It sounds simple, but there's more behind it. The manufacturing process is influenced by many factors. That's why quality must be paramount in a tech transfer. Critical characteristics of the product must be known and taken into account.

We assess:

- Manufacturer's original information, raw materials, critical process parameters, equipment and batch size in consideration of scale up and FDA guidelines
- We check the transmission protocols in order to record the process correctly
- Development of transfer tools and a thorough process transition to validation

There are 4 key positions that also need to be challenged to ensure successful technology transfer:

- Packaging line testing
- Stability display methods
- Cleaning validation
- Health and safety review

COMPUTERSYSTEM VALIDATION

Computer validation is the documented testing of software or a computer system. As a manufacturer of pharmaceutical products, it gives you documented proof that computer-controlled or automated systems perform consistently, in compliance with predetermined regulations.

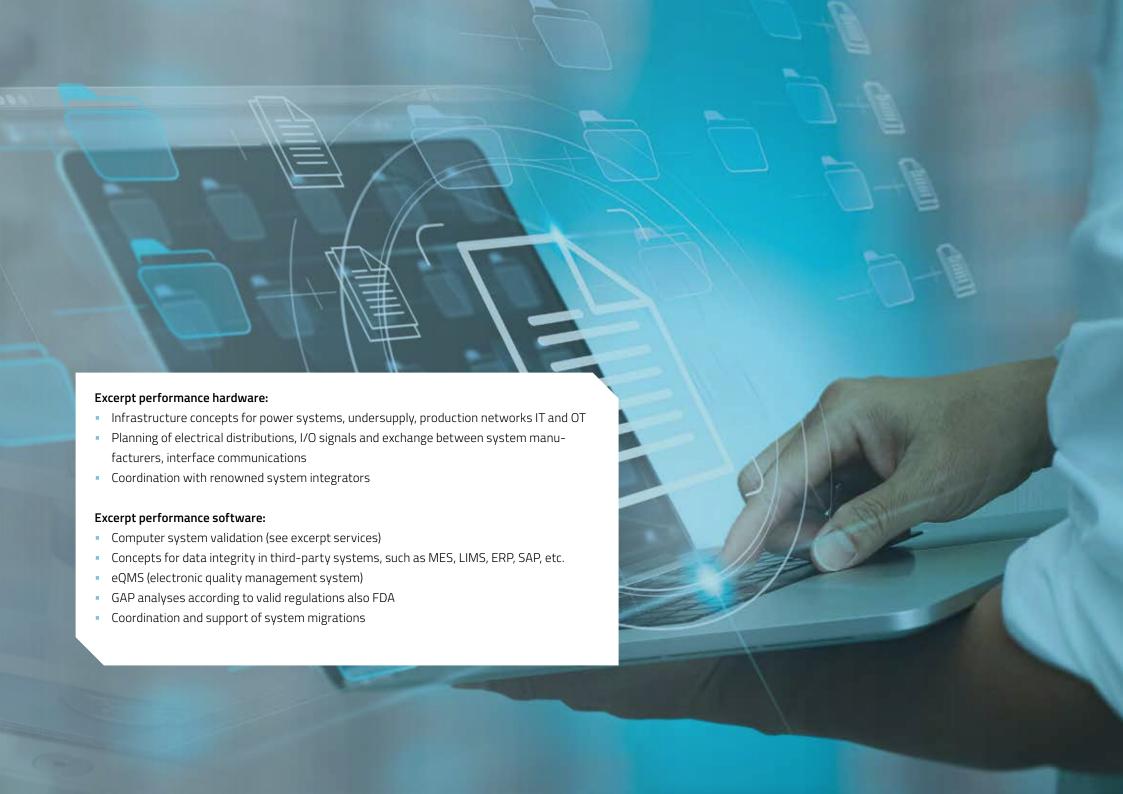
With many years of experience, we offer you tailor-made computer system validation. We test your software for practicality and reliability. We will demonstrate together with you in a comprehensible manner that your computer system will function correctly after changes, modernization or even rescheduling and are suitable for the purpose used.

Automated systems are tested and validated in accordance with US and EU regulations. This gives you inspection security through documented measures and various tests.

Our Services:

- Risk analysis according to GAMP 5
- Creating of quality project plan
- Validation schedule and process validation
- Creation of important engineering documents
- Preparation of qualification documents
- Creation of test plans
- Execution and documentation of FAT and SAT tests
- Creation of test logs
- Execution of Design Qualification (DQ)
- Execution of installation qualification (IQ) and functional qualification (OQ)





Special know-how

THE MOST RELIABLE WAY TO WELL-FOUNDED SECTOR KNOW-HOW

With our team, we work in a loyal, focussed and personal manner. Keeping to deadlines and absolute reliability are our guiding principle. Taking responsibility for our actions and maintaining a high profile is essential for us. In this, we check proportionality very critically by standards of reasonableness.

CLEAN MED PHARMA-CEUTICAL & BIOTECH INDUSTR Water is the most widely used raw material in the pharmaceutical and biotech industry, so water and other ultrapure media, such as ultrapure steam, are indispensable components of numerous processes. For reliable production without impurities, high-quality drinking water, purified water, water for injections and also ultrapure steam are required. We know the complete process and know what is possible. We advise you on the optimization of your systems and processes and are happy to support you in the implementation of qualification/validation or in studies for process optimization. Together with you, we develop and implement the best possible process solution, of course in compliance with the highest quality and safety standards.

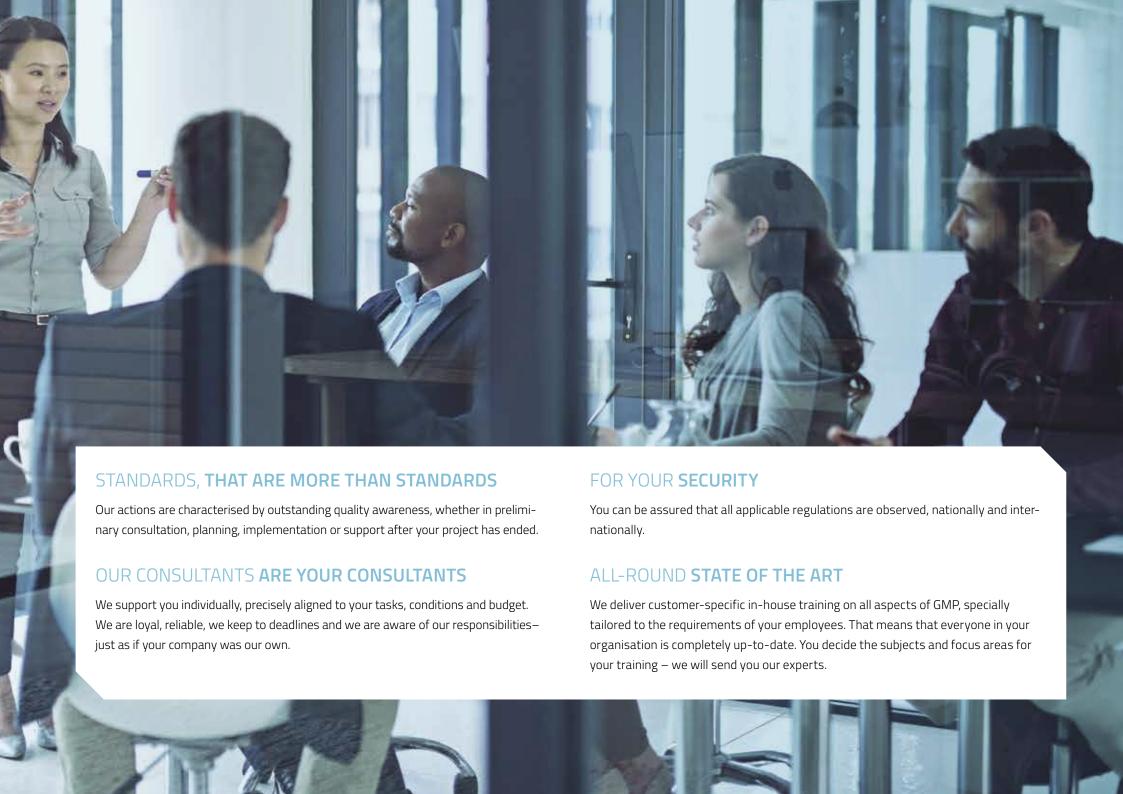


To manage highly challenging processes.

THE SAFEST WAY TO THE DESTINATION

Our experts have extensive experience in the sector from international projects and in all areas of GMP. Permanent qualification of employees ensures that our specialists are always at the cutting edge, be that in issues concerning technologies, project management or legal requirements.





Pitzek GMP Consulting GmbH

Head Office Wallgasse 11 67433 Neustadt an der Weinstraße Tel: +49 63 21 / 9 26 26 0 E-Mail: info@pitzek-consulting.de

pitzek-consulting.de

