



# GMP Webinar

## **GMP-compliant Equipment Design**

Date:

Tuesday, 23 June 2020, 14.00 – 15.30 h CEST

Speaker:

Markus Multhauf, Senior Consultant GMP-Engineering

ECA has entrusted  
CONCEPT HEIDELBERG with the  
organisation of this webinar.

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Image: Chemingeering

## Background

Compared to systems for the food or semiconductor sector, systems for the manufacture of pharmaceuticals differ in their design, but especially in terms of project management and documentation. However, the current GMP regulations define the actual requirements for these systems or components only very vaguely. The correct interpretation of these requirements can help to avoid processing errors including delays and additional costs, though.

Based on the GMP requirements, this webinar will present technical solutions for the various applications. It will show how the vaguely defined requirements for the design of systems and components, which are used for the production of pharmaceuticals, have to be concretely understood. Significant innovations, e.g. with regard to conducting qualifications, will also be discussed.

## Educational Objectives

As a participant of this webinar you will get insight into the current technological status and upcoming developments in engineering & construction of plants for pharmaceutical or biopharmaceutical applications.

- Current GMP regulations for plant construction
- Practical GMP-/FDA requirements for design of plants
  - Surfaces: microbiological & physical requirements
  - Open and closed process design
  - FDA compliant lubricants and sealing material
  - Construction materials: corrosion, certificates and clean room suitability
  - Cleanability of equipment and the avoidance of dead legs
  - Special requirements for automatization (CFR Part 11 and GAMP5)
- Current changes to the qualification process

## Target Audience

This webinar addresses staff in plant construction, planning (engineering service providers), production and technology in medicinal products and active ingredients manufacture as well as quality assurance staff dealing with GMP & FDA-compliant projects for the construction or conversion of systems.

## Speaker



### Markus Multhauf, Senior Consultant GMP-Engineering

Markus Multhauf studied process engineering. He worked for HOECHST and for plant construction companies like Waldner and Hager+Elssasser. At LSMW/M+W (now Exyte) he was design engineer for utility systems and project manager for 9 years. Then he was head engineering at Aeropharm (SANDOZ/Novartis). Since 2013 he is a freelancing engineer for pharmaceutical technology.

## Fees (plus VAT)

Single participation: € 199.- for ECA Members

Single participation: € 249.- for non-ECA Members

(This fee does not include the ECA Membership. You will find more about the ECA Membership at <https://www.gmp-compliance.org/about-the-academy>).

## Participation of a Group

You have colleagues who also want to participate in the webinar? Then register yourself and your colleagues as a GROUP! You can view the webinar either together (e.g. in a conference room, etc.) or also each individually on your own PC.

## Group Participation (fee per person):

3-10 Persons EUR 211,15

11-20 Persons EUR 186,75

more than 20 Persons EUR 161,85

## Registration

By mail, fax, e-mail or online on the Internet at [www.gmp-compliance.com](http://www.gmp-compliance.com). In order to avoid misunderstandings, please indicate the exact address and the full name of the participant. You will receive your access data by e-mail in due time prior to the event.

## Technical Requirements

For our webinars, we use Cisco WebEx, one of the leading suppliers of online meetings. At <http://www.webex.com/test-meeting.html> you can check if your system meets the necessary requirements for the participation at a WebEx meeting and at the same time install the necessary plugin. Please just enter your name and email address for the test. If the installation is not possible because of your rights for the computer system, please contact your IT department. WebEx is a standard nowadays and the necessary installation is fast and easy.

## Presentation/Certificate

The presentation will be made available to you prior to the Webinar as a PDF file. After the Webinar, we will automatically send you a certificate of participation.

## Organisation/Contact

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## Do you have any questions?

### For questions regarding content:

Dr Robert Eicher, phone +49(0)6221 / 84 44 12,

Email: [eicher@concept-heidelberg.de](mailto:eicher@concept-heidelberg.de).

### For questions regarding technical aspects:

Mr Ronny Strohwald, phone +49(0)6221 / 84 44 51

Email: [strohwald@concept-heidelberg.de](mailto:strohwald@concept-heidelberg.de)

## Registration for the GMP Webinar "GMP-compliant Equipment Design" on Tuesday, 23 June 2020, 14.00 – 15.30 h CEST

Speaker: Markus Multhauf, Senior Consultant GMP-Engineering

Please fax to CONCEPT HEIDELBERG, +49 (0)6221 / 84 44 34 or you register online at [www.gmp-compliance.org](http://www.gmp-compliance.org).

Please tick:

- Single Participation
- Group Participation
  - 3-10 Persons
  - 11-20 Persons
  - more than 20 Persons

**Important:**  
Deadline is 12 noon on  
22 June 2020

Title, First Name, Last Name

Company

Department

VAT ID No. (mandatory)

Street

Postal Code/City

Phone

Fax

## E-Mail (mandatory for your registration)

### General Terms and Conditions

If you cannot attend the conference you have two options:

1. We are happy to welcome a substitute colleague at any time.

2. If you have to cancel entirely we must charge the following processing fees:

Cancellation until 2 weeks prior to the conference 10 %, until 1 week prior to the conference 50 %, within

1 week prior to the conference 100 %.

CONCEPT HEIDELBERG reserves the right to change the materials, instructors, or speakers without notice or to

cancel an event.

If the event must be cancelled, registrants will be notified as soon as possible and will receive a full refund of fees paid.

Terms of payment: Payable without deductions within 10 days after receipt of invoice.

Important: This is a binding registration and above fees are due in case of cancellation or non-appearance. If you cannot take part, you have to inform us in writing. The cancellation fee will then be calculated according to the point of time at which we receive your message. In case you do not appear at the event without having informed us, you will have to pay the full registration fee, even if you have not made the payment yet. Only after we have received your payment, you are entitled to participate in the conference (receipt of payment will not be confirmed).

German law shall apply. Court of jurisdiction is Heidelberg.