

Areas of Expertise

Process Design Consultation



Photo: Boehringer-Ingelheim GmbH

Boulder, CO
North Andover, MA
South San Francisco, CA
San Diego, CA
North Wales, PA
Raleigh, NC

www.jmhyde.com

JM Hyde
Consulting, Inc.

Process Design Consultation

JM Hyde Consulting (JMHC) provides design and engineering services to pharmaceutical and biopharmaceutical manufacturers.

From the start of the design for a new facility to modification of an existing system, JMHC provides process design and engineering services for pharmaceutical and biopharmaceutical processes.

THESE SERVICES INCLUDE:

- Design consultation for new or existing manufacturing facilities
- Design CIP/SIP systems and interconnecting piping
- Evaluation of cleaning issues in existing facilities
- Optimization of cleaning procedures
- Modification of process, CIP or other utility equipment
- Process Systems design review

CIP-RELATED SERVICES:

- Design of new systems and related piping
- Optimization of existing systems
- Problem solving for cleaning and process systems
- Operating cost reduction planning
- Redesigning existing systems for expansion or product changes

DESIGN SERVICES:

- Process flow diagrams (PFDs)
- Piping and instrumentation diagrams (P&IDs)
- Processes and process descriptions
- Clean-in-Place (CIP) and Steam-in-Place (SIP) flow paths
- Preparation of equipment summaries and project cost estimates
- Specification of parts washing systems and components

FIELD SUPPORT SERVICES:

Following the design and procurement stages, JM Hyde Consulting can provide you with the following field support services:

- Witnessing Factory Acceptance Test
- Performing Site Acceptance Test
- Process and system walk down
- Start-up and commissioning services
- Trouble shooting

CUSTOMIZATION DESIGN SERVICES:

- Consultation visits
- Conceptual/detail design documentation packages
- Process system skid design and specification
- Process systems component specification and selection
- Review/development of manufacturing Standard Operating Procedures (SOPs)
- Evaluation of equipment cleaning and spray device requirements
- Overall project management
- Project engineering
- Commissioning and start up
- Training sessions for operators and/or engineers
- Engineering staff augmentation