

Process Design and Engineering



Hyde Engineering + Consulting is known for delivering high quality Design and Engineering expertise to the Bioprocess industry. Our streamlined work flow solutions and strategic planning will ensure your capital projects are completed faster, more efficiently, and at lower cost.

Hyde design engineers are also skilled at system commissioning and qualification, enabling our team to take your design project from concept to operation.

From new facility design to facility upgrades and compliance remediation projects, our engineers employ the latest ICH Q9 and ASTM E2500 risk management practices to ensure designs meet the most stringent GMP requirements.

Engineering Services

- Remediation and Compliance Upgrades
- Conceptual Design
- Detailed Design
- Process Design Report
- PFDs/P&IDs
- Mass and Energy Balances
- Equipment Specification
- FAT/SAT

Process Systems

- Tank Design
- Media Preparation Systems
- Bioreactor Design
- Chromatography
- Filtration
- Filling
- In-line Dilution Strategies
- Single Use Technologies

Clean Utility Systems

- Purified Water
- Water for Injection
- Clean Steam
- Process Gases

Facility Engineering

Hyde employs the latest lean operational excellence techniques to implement and refine your facility operating systems.

- Critical Spare Parts Program
- Maintenance Program
- Reliability Engineering
- Hazardous Energy Control Programs

www.hyde-ec.com

