



Get projects done.



Kymanox Engineering Services

Process and Operator Focus

Kymanox applies its expertise in **GMP manufacturing** and professional **project management** to get engineering projects done. Consistent with the principles of **Quality by Design**, Kymanox takes a **process-level view** of the world to help simplify, understand, and solve complex problems. Additionally, our engineered solutions take into account not only the process but the **people** who operate the processes:

- **Chemical** Engineering
- **Process** Engineering
- **Mechanical** Engineering
- **Manufacturing** Science
- **Biomedical** Engineering
- **Electrical** Engineering
- **Computer** Science
- **Process Mapping + Analysis**
- **Six-Sigma + LEAN**
- **Process + Cost Modeling**
- **GMP Statistics**
- **Process Analytics + PAT**

Integrated Perspectives

As an engineering outfit, Kymanox has a unique, big-picture perspective of the **Biotechnology**, **Pharmaceutical**, and **Medical Device** industries and can integrate the following topics with its engineering efforts:

- **Regulation**
- **Quality Systems**
- **Training**
- **Documentation**
- **Process Development**
- **Manufacturing**
- **Risk Management**
- **Scale-Up + Technology Transfer**
- **Equipment + Facilities + Utilities**
- **Validation**

Communication and Documentation

The best engineering solutions are **team-based** endeavors. Consistent with *Ideal Knowledge Transfer*[™], Kymanox takes extra measures to ensure engineering decisions and progress is clearly communicated in a **timely fashion** to all identified **stakeholders**. Kymanox has best-in-class templates for **specifications**, **test plans**, **PFDs**, **P&IDs** and more. Furthermore, project communication is always documented in **meeting minutes**, **action item lists** and **decision registers** for easy access and archival. As applicable, licensed **Professional Engineers (PEs)** supervise and sign-off on project work.

Cradle-to-Grave

Kymanox has experience with engineering at all stages: **conceptual** design, **preliminary** design, **detailed** design, construction, **commissioning**, **startup**, and routine support. In contrast to most competitors, we have experience in taking projects from beginning to end and fully appreciate the importance of design quality.

Contact Kymanox

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