



Commissioning & Qualification

Accelerating your speed to market with integrated C&Q capabilities.

A well planned and executed Commissioning & Qualification (C&Q) effort can have a significant positive impact on how quickly a facility becomes operational. In heavily regulated industries like pharmaceutical, biotechnology, and medical devices, C&Q activities are the foundation for achieving regulatory compliance and moving into the Process Validation stage. We partner with our clients throughout the design process to proactively identify and address potential issues early on, before they have the opportunity to negatively impact C&Q later in the project. This approach is just one example of how the SSOE team works to accelerate projects and realize cost savings – with the goal of helping our clients achieve their speed to market goals.

C&Q Support Tailored to Your Needs

We support technology-driven facilities to achieve successful operation and regulatory compliance by providing tailored C&Q support. Our team has the experience and technical knowledge to execute the most complex, demanding projects due to our combined experience in design, operations, energy efficiency, construction quality, risk management and safety requirements. We work with you throughout the full project lifecycle to ensure your objectives are met.

Innovative Solutions

Creative and innovative solutions are crucial to a successful project. Our team includes process engineers with experience in pharmaceutical and biotechnology and technical staff with specialized experience in building systems. Our innovative services are tailored to each client, which can provide our clients with a competitive advantage—especially for facilities that include pilot plants and/or process equipment.



EXPERTISE

Commissioning Services

- Commissioning plans that support the overall project schedule
- Owner Project Requirements (OPR) and Design Reviews
- Commissioning schedule integrated with construction
- Participation in the RFI process
- Pre-functional checklists and functional performance tests
- LEED enhanced commissioning
- Review of contractor training plans
- Seasonal testing
- Systems manual development
- Final commissioning reports
- Execution of commissioning activities to allow leveraging into qualification activities

Qualification Support

- User Requirement Specifications (URS)
- System Requirement Specifications (SRS)
- Validation Master Plans (VMP)
- Standard Operating Procedures (SOP)
- Impact Assessments (IA)
- Factory Acceptance Testing (FAT)
- Site Acceptance Testing (SAT)
- Installation Qualification (IQ), Operation Qualification (OQ), and Performance Qualification (PQ) protocol development and execution
- Schedule integration